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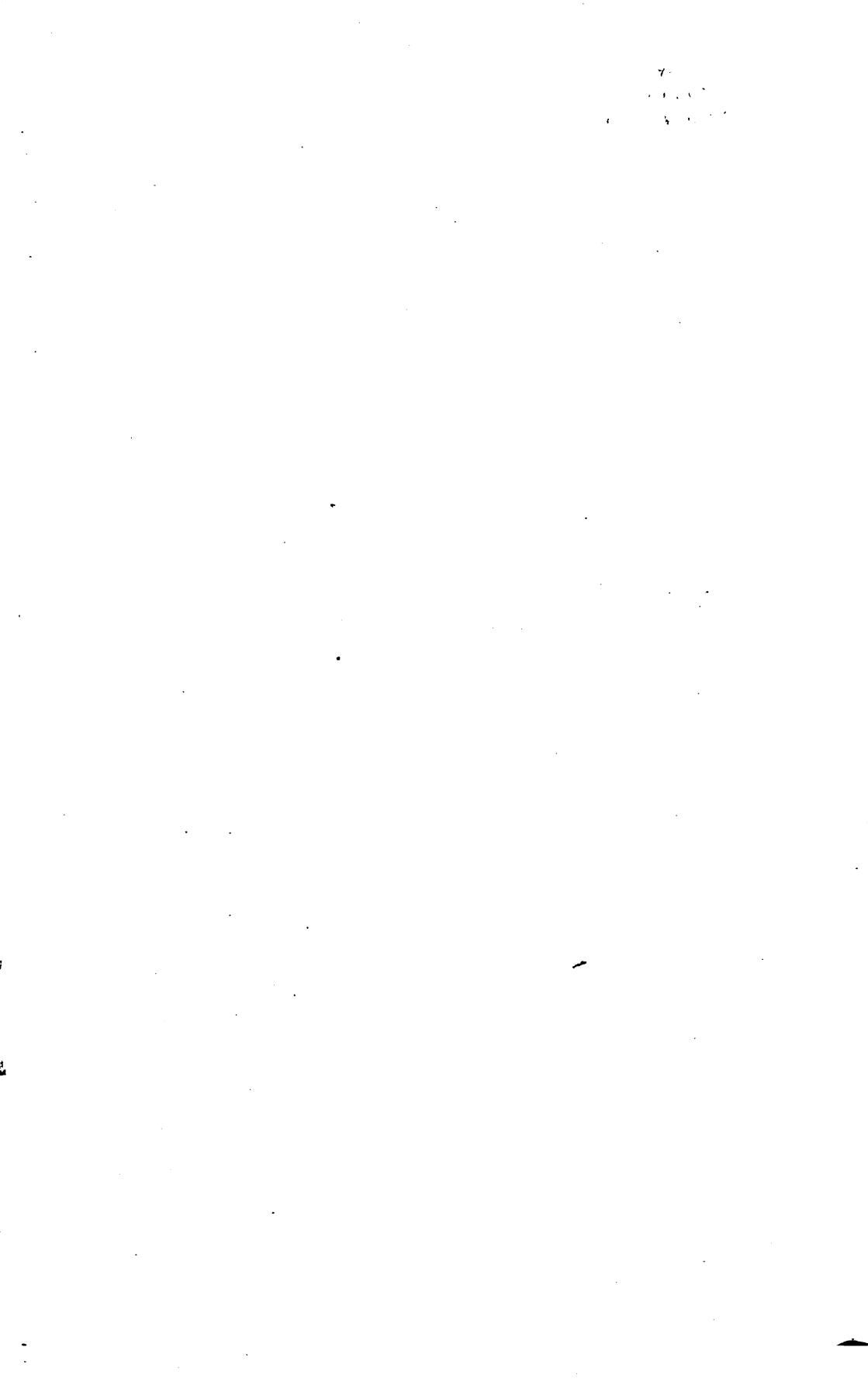
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HELIOMETER OBSERVATIONS

FOR

DETERMINATION OF STELLAR PARALLAX

MADE AT THE

ROYAL OBSERVATORY, CAPE OF GOOD HOPE, —

BY

DAVID GILL, LL.D. (ABERD. AND EDIN.), F.R.S.,
HON. F.R.S., EDIN., &c.,

HER MAJESTY'S ASTRONOMER AT THE CAPE.

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Astronomical Observatory.



INTRODUCTION.

Soon after I had the honour of being appointed Her Majesty's Astronomer at the Cape, in 1879, I directed the attention of the Lords Commissioners of the Admiralty to the fact that no adequate equipment for refined extra meridian observations existed at the Observatory. Before making further official proposals to remedy this defect I had the good fortune to procure, by private purchase, the Heliometer which I had used at Dun Echt, and in connexion with the expedition of Lord Lindsay (now the Earl of Crawford and Balcarres) to the Island of Mauritius in 1874, when I observed with it the opposition of the minor planet Juno,* and which I afterwards employed by Lord Lindsay's kind permission, in the Royal Astronomical Society's expedition to the Island of Ascension to observe the opposition of Mars in 1877.†

The instrument as employed at Mauritius and Ascension is fully described in the Dun Echt publications, Vol. II. For use at the Cape I could not obtain the original equatoreal mounting, and therefore ordered a new stand for the Heliometer tube and cradle from Sir H. Grubb of Dublin, taking advantage of the opportunity thus offered to have some alterations made on the instrument which previous experience had proved to be desirable. These alterations were chiefly in connexion with the slow motion of the tube in position-angle. In the original instrument the quick motion in position-angle was accomplished by turning a rod, which carried a pinion which acted on a wheel of which the Heliometer tube formed the axis. Slow motion was given by rotating this rod very slowly by means of a toothed wheel acted on by a tangent screw, but the effect was to create a certain amount of torsion of the rod before any rotation of the tube took place, so that there was wanting that immediate and precise response to the observer's action which is essential for easy and accurate measurement. I therefore planned the following arrangement.

At the end of the cradle next to the observer, there is fitted on the tube (or rather on one of the collars attached to the tube)

* Dun Echt publications, vol. ii.

† Memoirs of the R.A.S., vol. xlvi., pp. 1-172.

a ratchet wheel with square cut teeth. This wheel is so fitted as to turn smoothly on the collar, but, when the observer so desires, it can be clamped firmly to the tube by a handle coming down to the eye-end. A steel screw with a square-cut thread (such as Grubb uses for the driving screws of his Equatoreals) acts on the teeth of this wheel, whilst the pivots of this screw rest in bushes in a frame attached to the cradle. The screw is turned by bevel wheels acted on by a handle coming down to the eye-end. When the observer turns the handle the wheel slowly rotates; and, if the tube is clamped to the wheel, a smooth easy rotation is communicated to the tube. This slow motion as well as the Equatoreal mounting, and the driving clock were admirably constructed by Sir. H. Grubb and the instrument was in every respect efficient, stable, and convenient.

During a visit to some of the principal European observatories, before my departure for the Cape, I met Mr. W. L. Elkin, a student under Professor Winnecke, who was then engaged in preparing his "*Inaugural Dissertation*" for the Degree of Doctor of Philosophy at the University of Strasburg. The subject he had selected was the orbit and parallax of α *Centauri* and he applied to me for any observations of α *Centauri* as a double star, or any unpublished meridian observations of α β *Centauri* which I might find on the records of the Cape Observatory.* In the course of conversation I informed Mr. Elkin of my purchase of the Heliometer, and of the purposes to which I intended to apply it. He expressed much interest in my programme and his keen desire to take part in such work. It was finally arranged that, on the completion of his curriculum and on the arrival of the Heliometer, Dr. Elkin should come to the Cape and share my labours.

The Heliometer reached the Cape in the end of December 1880 (the Lords Commissioners of the Admiralty having defrayed the cost of transport), and I proceeded at once to erect it in an old observatory which had been built by Sir Thomas Maclear in 1847, to cover a small telescope by Dollond. This observatory is described in *Mem. R.A.S.*, vol. xx., pp. 31-34. I had duly completed the necessary alterations of the building, and the adjustments of the instrument when Dr. Elkin arrived at the Cape, on 1881, January 31. The following month was spent in preliminary experiments, in the selection of stars of comparison, and in the preparation of a programme.

* These observations I supplied soon after my arrival at the Cape, and they are incorporated in his Dissertation "*Ueber die Parallaxe von α Centauri.*" Karlsruhe, 1880.

This settled, I was on the point of leaving for Durban and Aden to carry out the longitude operations connecting these places with the Cape, when I was suddenly recalled to England on urgent private affairs. I made new arrangements for the longitude work, so that when I returned to the Cape on 1881, June 30, I was enabled to take up the programme of the Helio-meter observations at an earlier date than I originally intended. Dr. Elkin occupied my house in my absence, and remained as my guest, and as a member of my family circle until the completion of our programme. He sailed from the Cape on 1883, May 16. His work from first to last was a labour of love.

The results of the observations contained in this volume have been published in the *Memoirs of the Royal Astronomical Society*, vol. xlvi. ; but in connexion with such work it is usual and desirable to publish sufficient details of the original observations to enable other Astronomers to verify the subsequent computations.

In the selection of comparison stars the conditions aimed at were :—

1. Symmetrical situation with respect to the star whose parallax is to be determined, that is to say, nearly at equal distances from it, and different in position-angle nearly 180° . As far as possible these position-angles should nearly coincide with the position-angle of the major axis of the parallactic ellipse, but when several pairs of comparison stars are employed this condition cannot of course be fulfilled.
2. Both comparison stars should be nearly of equal magnitude.
3. They should be stars having little or no proper motion.

The following are the positions of the comparison stars as determined with the Cape Transit Circle, and the adopted position-angle and distance from the principal star; the other existing observations reduced to the same equinox will be found in the *Mem. R.A.S., loc. cit.*

Star	Comp. Star.	α		δ		Mag.	Adopted	
		1882.0.	1882.0.	1882.0.	Mag.		Position Angle.	Distance.
α_2 Centauri	α	h m s	° ' "			°	"	R
	α	14.26.29.30	-59.29.41.6	7	323.07	3836	= 298.1	
		31.35.77	-60.20.46.7	1				
	β	35.51.13	-61. 1. 7.8	7 $\frac{1}{4}$	142.24	3063	238.1	
	α^1	18. 9.55	-60.13. 7.0	8	274.38	6012	467.2	
	β^1	43.52.13	-60.21.23.4	8	90.39	5466	424.7	
	α	30. 6.20	-58.36.56.7	6.9	354.27	6230	484.2	
	b	33.43.37	-60.41.29.5	7 $\frac{1}{2}$	168.45	4970	386.6	
α^1	25. 1.59	-60.16.42.8	8	274.73	2940	228.4		
	b^1	14.37.52.90	-60.21.59.8	8	91.50	2802	217.6	
Sirius	α	6.36.41.56	-15.53.41.4	7	310.21	3680	286.4	
		39.56.81	-16.33.20.8	1.4				
	β	42.22.37	-17.22.49.8	7	144.90	3630	282.0	
	α	34.49.95	-17.11.12.3	7 $\frac{3}{4}$	242.77	4950	385.3	
ϵ Indi	b	6.45. 5.45	-15.53.40.0	8	61.83	5030	391.9	
	α	21.49.56.38	-57.15.56.0	7 $\frac{1}{4}$	270.35	2130	165.8	
	β	21.54.19.39	-57.16.10.6	5.2				
	α	21.59.38.30	-57.25.28.5	7 $\frac{3}{4}$	102.17	2640	205.2	
Lacaille 9352	α	21.44.30.89	-57.53.14.0	7	244.83	5200	406.4	
	b	22. 5. 2.96	-57.53. 7.3	7 $\frac{1}{4}$	63.10	5920	459.5	
	β	22.49.34.82	-37.18.25.9	7.9	245.88	6830	531.0	
α_2 Eridani	α	22.58.14.42	-36.31.55.8	7.5				
		23. 3.47.98	-36. 2.17.8	7.3	66.21	4410	342.5	
	β	4. 5. 6.75	-9. 7.42.0	6.0	220.17	6270	487.3	
β Centauri	α	9.50.48	-7.50.15.0	4.4				
		4.14.51.47	-6.31.38.8	6.7	43.52	6500	505.2	
	γ	13.53.37.90	-59.41. 5.2	7	296.26	950	73.9	
ζ Tucanae	a	13.54.74	-64. 7.52.8	7 $\frac{1}{2}$	355.02	5190	403.7	
	b	0.16. 0.10	-65.34. 6.0	4.1				
e Eridani	a	3. 8.17.08	-44.51.45.9	6.2	221.93	6570	511.4	
	b	15.12.89	-43.31.18.9	4.4				
Canopus	a	3.21.58.74	-42. 3. 4.1	6.5	42.54	6920	538.3	
	b	6.18.48.41	-52.36.16.0	8	293.98	1380	107.6	
		21.19.92	-52.37.53.8	0.4				
		6.23.29.71	-52.34.58.6	8 $\frac{1}{4}$	81.50	1190	92.8	

A complete observation consists of the following processes :—

1. The Position Circle is set to the required position-angle and the segments separated in distance the requisite amount.
2. The axis of the tube is directed, by means of the Hour and Declination Circles, to the middle point between the stars to be observed, when the images of the two stars are seen together in the field of view.
3. The observer, by slow motion in position-angle and distance, now brings the images to near contact, especially adjusting the distance as nearly as possible. This latter adjustment cannot be accurately made by superposing the images ; the best practical method is to first place the images of the two stars so that, while the discs are nearly in contact, the line joining their centres shall be at right angles to the direction of measurement. The estimation of this condition is facilitated in two ways: 1st, the images formed by semi-lenses are not circles but ellipses, and when the definition is good and the stars are sufficiently bright, the most accurate plan is to make the major axes of the two ellipses coincident. The accuracy of this estimation is greatly enhanced by immediate and frequent interchange of the two images by use of the slow motion in position-angle. The symmetrical emergence of the elliptical discs from behind each other in alternate opposite directions forms the most refined method of "pointing" known to astronomers. When the images are very faint or ill-defined, the power of estimating distances in this way is not available, because the major axis of the ellipse cannot be precisely distinguished. To provide for this, four flat intersecting wires were inserted, in the common focus of the object glass and eye-piece, forming a square, in the centre of the field, two sides of the square are parallel to the direction of motion in distance, and two at right angles to this direction. The observer takes the latter pair of wires as his guides, and by motion of the "distance-handle" adjusts the position angle of the artificial close double star parallel to the direction of these wires. This observation is analogous to that in which an observer with a parallel-wire micrometer adjusts the wires parallel to the line joining the centres of the double star whose position angle he is measuring, but with this difference, that the latter moves the position-angle of his micrometer till the

wires are parallel to the stars under observation, whilst the Heliometer observer changes the apparent position-angle of the artificial double star by motions of his "distance-handle" until the line joining the components is parallel to his guiding wires. Immediately "crossing through" (*i.e.*, exchanging the relative positions of the two stars), he verifies his former observation, and, if he finds it confirmed, proceeds to read the scales. The eye is very sensitive to the symmetrical crossing of the stars and readily detects any apparent change of parallelism in the guiding wires as such error in the first pointing is doubled after "crossing through."

The accuracy in pointing by either of these methods is greatly enhanced when the two images are precisely similar, hence the great attention paid to the construction of the screens employed to equalize the images. These screens were constructed of one, two, and three thicknesses of wire gauze of different mesh, and by careful selection and trial little difficulty was found in procuring satisfactory equalization of the images; the light of Sirius, for example, being reduced to such perfect equality with that of the comparison stars α and β (7th magnitude) that it was impossible to distinguish the image of Sirius from that of the comparison stars, either by the difference of brilliancy or by the appearance of the disc, when both were viewed near the centre of the square. If the images of the comparison stars differed in magnitude the screen was, as a rule, adjusted so as to reduce the brilliancy of the principal star to the mean brightness of the comparison stars.

When the observer has completed a "pointing" in the manner described, he reads the scales as already mentioned.

The "scales" are of silver, attached to the two slides which carry the halves of the object-glass and are divided into 150 divisions figured at each tenth division. The microscope views both scales at once and (approximately) when the readings of the scale are identical the optical centres of the segments are in coincidence. If this condition could always be realised, the difference of the readings of the two scales would give directly the distance measured in terms of the scale.

In practice it is of course necessary to find accurately the difference of the readings when the optical centres are in coincidence; this difference is termed the "Index-error."

Two turns of the micrometer-screw correspond very nearly with one division of the scale.

An account of the investigation of the division-errors of the scales is given in *Dun Echt* publications, Vol. II., pp. 11-51.

As the object throughout the following series of observations was to determine not the absolute distance of the primary star from its comparison stars but the change of these distances as produced by proper motion and parallax, the same divisions were employed throughout the whole of the observations of the same distance, and no corrections for division-error have been applied except for determining the Runs.

In reading the scales a pointer marks the centre of the field of view of the microscope, and the division preceding and following the pointer is read on each scale.

The segments and screen are reversed after each observation, a second pointing is made, and the scales again read.

The instrument is then set for the position-angle and distance of the second comparison star and directed by the circles to the middle point for the new pair, a pointing made, the scales read, the segments and screen reversed, the stars again pointed and the scales read.

Thus the distance of each of the two opposite comparison stars is measured once in each of the two opposite positions of the segments, and so also the effect of Index-error is eliminated. But such an observation is not complete, because it is non-symmetrical—a progressive change in the relative temperatures of different parts of the instrument may, as a matter of fact frequently does, create a change of scale-value which can only be eliminated by arranging the observations in symmetrical order. Therefore the same observations are repeated in the reverse order, that is to say, if the first pair be made in the order $a\ b$, the second pair would be in the order $b\ a$. The instrument having been reversed 180° in position-angle similar observations are made in the order $a\ b\ b\ a$. To complete the symmetry of the work, care was taken on the following night of observation to arrange the order $b\ a\ a\ b$.

The following is a copy of the form in which the observations were entered with the original record as entered by the observer.*

* No. 2 has been selected because there is a misprint in No. 1, *vide* list of errata.

HELIOMETER OBSERVATIONS AT THE CAPE OF GOOD HOPE, 6 JULY 1881.

OBJECTS: α_2 Centauri and b .

GROUP 2. GILL.

CHRONOMETER.

Readings.			h	m	sec.	Bar.	30° 25.	Ther.	57° 0.
14° 56° 25 A	·603	105	1·600	.	.	I	323	.	°
B	·880	46	1·872			II	.	.	
15° 0° 5 A	·300	45	2·310	.	.	I	.	.	
B	·480	105	2·480			II	.	.	
15° 35° 53 A	·623	45	2·633	.	.	I	143	.	°
B	·810	105	2·803			II	.	.	
15° 41° 5 A	·059	105	2·040	.	.	I	.	.	
B	·343	46	2·335			II	.	.	
Images 2-3.	Steadiness 2-3.			Bar.	,	Ther.	,		in.

OBJECTS: α_2 Centauri and a .

GROUP 2. GILL.

CHRONOMETER.

Readings.			h	m	sec.	Bar.	,	Ther.	,
15° 7° 25 A	·257	38	1·245	.	.	I	323	.	°
B	·500	113	1·503			II	.	.	
15° 13° 55 A	·780	113	0·780	.	.	I	.	.	
B	·965	39	0·970			II	.	.	
15° 20° 35 A	·795	113	0·783	.	.	I	143	.	°
B	·993	39	0·991			II	.	.	
15° 28° 15 A	·730	38	1·719	.	.	I	.	.	
B	·009	113	2·005			II	.	.	
F. P. 9° 50				Bar.	,	Ther.	59.		in.

HELIOMETER OBSERVATIONS AT THE CAPE OF GOOD HOPE, 6 JULY 1881.

OBJECTS: α_2 Centauri and β .

GROUP 2. GILL.

CHRONOMETER.

Readings.			Bar.	in.	Ther.
h m sec.			h m sec.		59° 0
15° 46° 0	A	·753	105	1° 741	.
	B	·039	46	2° 029	II .
15° 50° 55	A	·891	45	2° 900	.
	B	·090	105	3° 087	II .
16° 28° 35	A	·560	45	2° 563	.
	B	·750	105	2° 740	II .
16° 35° 40	A	·040	105	2° 040	.
	B	·294	46	2° 279	II .
				Bar.	in. Ther. ,

OBJECTS: α_2 Centauri and α .

GROUP 2. GILL.

CHRONOMETER.

Readings.			Bar.	in.	Ther.
h m sec.			h m sec.		° ,
15° 57° 17	A	·461	38	1° 442	.
	B	·718	113	1° 717	II .
16° 4° 37	A	·010	113	0° 995	.
	B	·210	39	1° 211	II .
16° 15° 0	A	·702	113	0° 685	.
	B	·880	39	0° 883	II .
16° 21° 25	A	·540	38	1° 527	.
	B	·814	113	1° 814	II .
				Bar. 30° 24.	in. Ther. 59° 5.

The times entered are those of the Sidereal Chronometer employed. In the block of "Readings" the left-hand column gives the reading of the scale division on the further side of the pointer from the micrometer head, the webs approach the head with increased readings of the head.

The middle column gives the division which is read on the side of the pointer next the micrometer head, and the right-hand column the micrometer reading on the named division.

The scale readings increase as the micrometer readings decrease; therefore, if we refer the scale readings to the zero of the micrometer, it is clear that were there no index-error, no error of Run, and no error of the micrometer-screw, the true reading for scale A. would be 105 divisions = 210 revolutions + 1.600 revolutions. But if we suppose for the moment that the division-errors are insensible, the error of Run on scale A. is $.603 - .600 = +0.003$ rev. over two revolutions, or +.0015 per revolution; because if the pointings were exact, and there were no division-error, both readings should agree or rather should differ exactly 2 rev. But since there are accidental errors of pointing in reading the micrometer scales, it is better to deduce the Run from all the scale readings made in the same complete observation, and this is accordingly done. In the example in question we have the following differences in order:—

Scale A.	Corr. for Screw-error.*	Scale B.	Corr. for Screw-error.
r	r	r	r
+ 0.003	+ 0.001	+ 0.008	+ 0.001
- .010	.001	.000	.001
- .010	.000	+ .007	.000
+ .019	.001	- .008	.001
+ .012	.002	- .003	.001
.000	.002	- .005	.002
+ .012	.002	+ .002	.002
+ .011	.001	+ .004	.001
+ .012	.011	+ .010	.001
- .009	.000	+ .003	.000
- .003	.000	+ .010	.000
.000	.001	+ .015	.001
+ .019	.002	+ .001	.001
+ .015	.002	- .001	.002
+ .017	.002	- .003	.002
+ .013	.001	.000	+ .001
Sum + .101	+ .019	+ .056	+ .017

* The corrections for screw-error result from a very thorough investigation of the screw made independently by Gill and Elkin, the two results being in close agreement:—

$$r \cdot 0.00021 \cos u - 0.00165 \sin u - 0.00017 \cos 2u + 0.00043$$

$$r \sin 2u + 0.00097 n - 0.00024 n^2$$

where u is the reading of the screw-head, and n the number of revolutions from 0.00.

The sum of the 16 apparent Runs	-	r
over two revolutions is thus	-	+ 0.101 } Scale A.
Correction for screw-error	-	+ 0.019 }
Sum of 16 apparent Runs over	-	
two revolutions	-	+ 0.056 } Scale B.
Correction for screw-error	-	+ 0.017 }
		—
	64)	+ 0.193
Mean correction for Run	-	+ 0.0030 per rev.
		—

Having thus determined the correction for Run for one revolution, the corresponding correction is to be applied to the readings. These corrections might be applied only to the reading of the division next the micrometer-head, but in this way some accuracy would be lost. It is more exact to suppose that our point of reference is the middle point between the two divisions, and to shift our reference point in imagination, one revolution farther from the micrometer-head. The reduction is then precisely the same as if we used only one division and a known Run, except that the mean of the readings of the two scales is entered instead of the reading of only one.

Tables were prepared which give the correction for screw-error applicable to the mean of the readings of the two scales with the argument "lower reading."

The computation of the distances is then effected as follows:—

Where the sign of B-A refers only to the sign of the correction for index-error.

Name and Group				α_2 Centauri
Date and Time		h m		15°4'1
Scale		A	B	
Follg. Div. $\times 2$	-	210°	92°	90°
Mean Screw Reading	-	+ 1°602	+ 1°876	+ 2°305
Screw-error	-	+ 4	+ 4	+ 1
Run	-	+ 5	+ 6	+ 7
Sum	-	211°611	93°886	92°313
B-A	Diff.	- 117°725		237°901
	Refn.	120°176		73
Distance	-			237°974

Name and Group				α_2 Centauri
Date and Time		h m		15°16'5
Scale		A	B	
Follg. Div. $\times 2$	-	76°	226°	226°
Mean Screw Reading	-	+ 1°251	+ 1°502	+ 0°780
Screw-error	-	+ 2	+ 2	+ 5
Run	-	+ 4	+ 5	+ 2
Sum	-	77°257	227°509	226°787
B-A	Diff.	- 150°252		298°064
	Refn.	147°812		89
Distance	-			298°153

Name and Group				α_2 Centauri
Date and Time		h m		15°54'3
Scale		A	B	
Follg. Div. $\times 2$	-	210°	92°	90°
Mean Screw Reading	-	+ 1°747	+ 2°034	+ 2°896
Screw-error	-	+ 5	+ 2	+ 3
Run	-	+ 5	+ 6	+ 9
Sum	-	211°757	94°042	92°908
B-A	Diff.	- 117°715		237°907
	Refn.	120°192		67
Distance	-			237°974

Name and Group				α_2 Centauri
Date and Time		h m		16°6'8
Scale		A	B	
Follg. Div. $\times 2$	-	76°	226°	226°
Mean Screw Reading	-	+ 1°452	+ 1°718	+ 1°003
Screw-error	-	+ 1	+ 5	+ 3
Run	-	+ 4	+ 5	+ 3
Sum	-	77°457	227°728	227°009
B-A	Diff.	- 150°271		298°063
	Refn.	147°792		85
Distance	-			298°148

Scale and Screw Readings.

and b.

h m
15° 44' 3

2.

A	B	A	B
90° + 2° 628	210° + 2° 807	210° + 2° 050	92° + 2° 339
+ 3	+ 4	+ 2	+ 0
+ 8	+ 8	+ 6	+ 7
92° 639	212° 819	212° 058	94° 346
- 120° 180 117° 712		237° 892 69	
			237° 961

and a.

h m
15° 30' 3

2.

A	B	A	B
226° + 0° 789	78° + 0° 992	76° + 1° 725	226° + 2° 007
+ 5	+ 3	+ 5	+ 2
+ 2	+ 3	+ 5	+ 6
226° 796	78° 998	77° 735	228° 015
- 147° 798 150° 280		298° 078 88	
			298° 166

and b.

h m
16° 38' 0

2.

A	B	A	B
90° + 2° 562	210° + 2° 745	210° + 2° 040	92° + 2° 287
+ 3	+ 4	+ 2	+ 1
+ 8	+ 8	+ 6	+ 7
92° 573	212° 757	212° 048	94° 295
- 120° 184 117° 753		237° 937 66	
			238° 003

and a.

h m
16° 24' 0

2.

A	B	A	B
226° + 0° 694	78° + 0° 882	76° + 1° 534	226° + 1° 814
+ 5	+ 4	+ 3	+ 4
+ 2	+ 3	+ 5	+ 5
226° 701	78° 889	77° 542	227° 823
- 147° 812 150° 281		298° 093 84	
			298° 177

The correction for chronometer error on July 6, derived from comparison with the transit-clock, was $+5.8$ m. which applied to the mean of each pair of chronometer times of observation gives the sidereal time for each pair of pointings as printed in the results.

The refraction is computed, having regard to the readings of the meteorological instruments, for each of these epochs; and being applied the result is the true observed distance free from index-error. The mean of four such determinations of each pair constitutes a complete observation for parallax. The reader who may desire to verify the refraction corrections has only to take the sum of the two distances marked r , the difference between this sum and the column marked R is the refraction. The figures in the column marked R give the distance in semi-revolutions of the micrometer-screw. In computing the effect of proper motion and aberration, and in the deduction of the parallaxes, a semi-revolution (R) of the micrometer-screw has been taken:—

$$R = 12'' \cdot 865.$$

The mean results of these observations and all details of their subsequent discussion are given in the Memoirs of the Royal Astronomical Society, vol. xlvi., and need not, therefore, be repeated here. The concluded results are:—

Star.	Observer.	Parallax.	Probable Error.	Magnitude of Comparison Stars.
α_1 Centauri -	Gill and Elkin -	$+0.75$	± 0.01	7.6
Sirius -	" "	$+0.38$	.01	7.5
ϵ Indi -	" "	$+0.22$	.03	7 $\frac{1}{2}$
Lacaille, 9352 -	Gill -	$+0.28$	.02	7.6
α_2 Eridani -	" "	$+0.166$	.018	6.4
β Centauri -	" "	-0.018	.019	7
ζ Tucanæ -	Elkin -	$+0.06$	.019	7 $\frac{1}{2}$
ϵ Eridani -	" "	$+0.14$	.020	6.4
Canopus -	" "	$+0.03$	.030	8

On the publication of these results (*loc. cit.*), I submitted to the Lords Commissioners of the Admiralty a proposal to acquire a new Heliometer, of seven inches aperture, for the observatory to continue the work on stellar parallax thus begun, and to determine the Solar Parallax by observations of Minor Planets. Their Lordships responded favourably to this appeal. The instrument was ordered from Messrs. Repsold and Söhne of

Hamburg in 1884, was completed early in 1887, slightly modified in a few details after inspection by me in Hamburg, and was erected, and at work at the Cape before the end of the same year. This instrument has in every respect fulfilled the high expectations which I had formed of its powers, and the results already obtained, and which will shortly be published, will, I trust, be found to have amply justified the liberality of the Lords Commissioners of the Admiralty.

DAVID GILL.

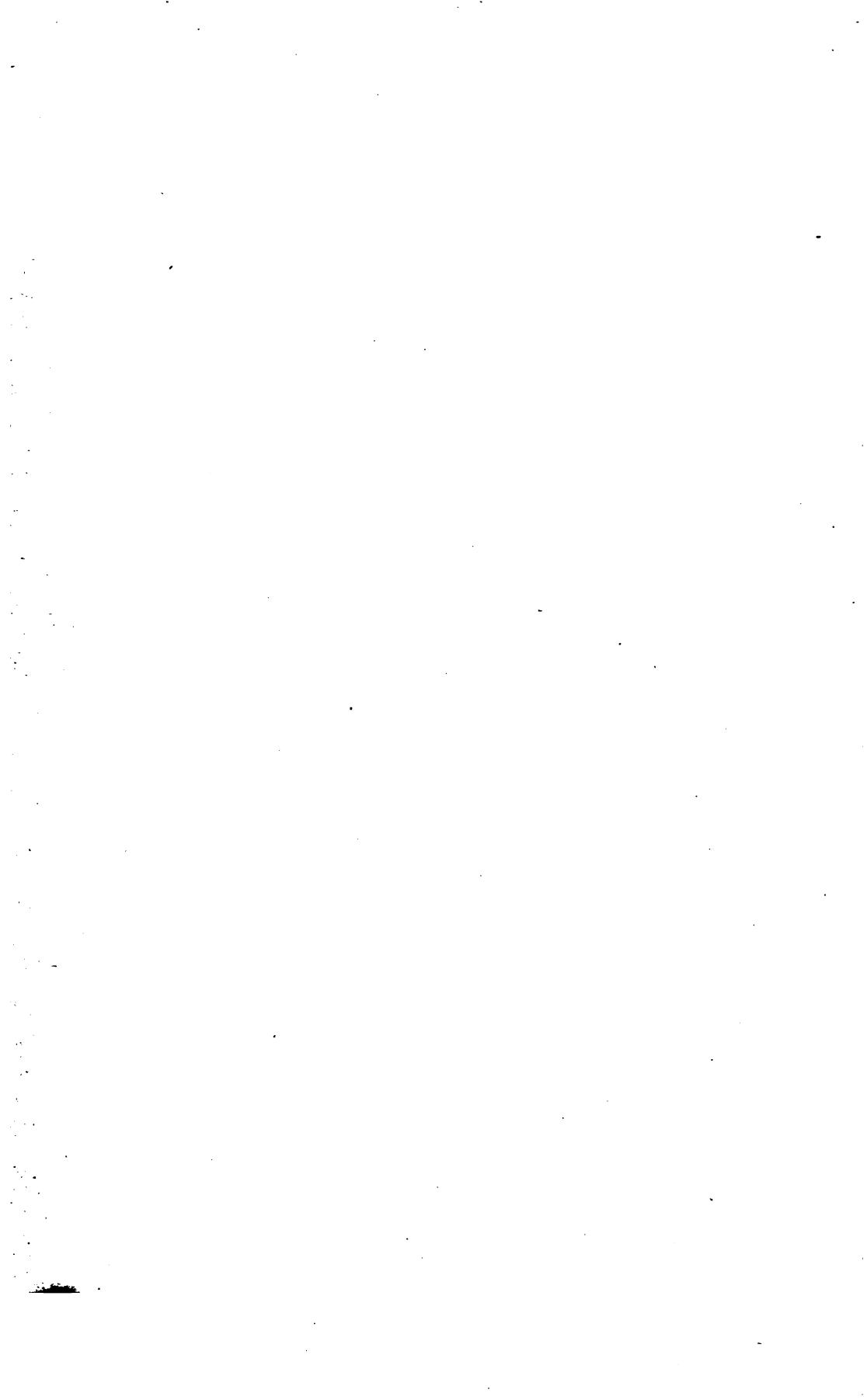
Royal Observatory,
Cape of Good Hope,
1893, January 13.



HELIOMETER OBSERVATIONS.

o 12309. 400.—5/84. Wt. 1124. E. & S.

A



HELIOMETER OBSERVATIONS FOR STELLAR PARALLAX.

MR. GILL'S OBSERVATIONS.

α_2 Centauri.

1881, July 5.

α

β

h	m	r	r	R	h	m	r	r	R
15	33.7	150.274	147.790	298.153	15	51.0	117.716	120.186	237.971
16	24.2	147.820	150.271	298.091	16	6.6	120.167	117.733	237.969
16	38.5	150.264	147.814	298.164	16	56.0	117.729	120.178	237.976
17	22.1	147.823	150.271	298.182	17	8.9	120.185	117.716	237.970

in Bar. 30.42.

Ther. 49°.8.

Run + 2.4.

Images 2-3.

Steadiness 3.

α_2 Centauri.

1881, July 6.

β

α

h	m	r	r	R	h	m	r	r	R
15	4.1	117.725	120.176	237.974	15	16.5	150.252	147.812	298.153
15	44.3	120.180	117.712	237.961	15	30.3	147.798	150.280	298.166
15	54.3	117.715	120.192	237.974	16	6.8	150.271	147.792	298.148
16	38.0	120.184	117.753	238.003	16	24.0	147.812	150.281	298.177

in Bar. 30.25.

Ther. 58°.5.

Run + 3.0.

Images 2-3.

Steadiness 2-3.

α_2 Eridani.

1881, July 6.

α

β

h	m	r	r	R	h	m	r	r	R
23	50.3	244.659	242.214	487.545	0	2.7	250.966	253.466	505.089
0	37.9	242.346	244.797	487.534	0	19.1	253.549	251.043	505.125

in Bar. 30.22.

Ther. 54°.2.

Run + 5.0.

Images 3-4.

Steadiness 3-4.

α_2 Centauri.

1881, July 7.

α

β

h	m	r	r	R	h	m	r	r	R
17	3.6	147.812	150.299	298.195	17	19.7	120.210	117.741	238.020
18	10.5	150.278	147.830	298.206	17	59.5	117.743	120.210	238.027
18	21.3	147.808	150.248	298.159	18	31.6	120.188	117.735	238.008
20	4.4	150.196	147.752	298.160	19	51.0	117.691	120.154	237.989

in Bar. 30.30.

Ther. 56°.5.

Run + 3.1.

Images 3.

Steadiness 3.

α_2 Centauri.

1881, July 8.

 β

h	m	r	r	R	h	m	r	r	R
17	12' 7	120° 198	117° 736	238° 003	17	26' 0	147° 834	150° 264	298° 187
17	57' 3	117° 731	120° 185	237° 992	17	38' 6	150° 270	147° 802	298° 163
18	8' 9	120° 191	117° 721	237° 994	18	30' 1	147° 802	150° 286	298° 198

in Bar. 30° 38. Ther. 49°. Run + 3°. Images 3. Steadiness 3.

 α ϵ Indi.

1881, July 8.

 α

h	m	r	r	R	h	m	r	r	R
19	18' 7	84° 035	81° 593	165° 692	19	32' 2	101° 447	103° 899	205° 430
19	58' 8	81° 605	84° 044	165° 706	19	46' 9	103° 919	101° 459	205° 456
20	9' 4	84° 062	81° 610	165° 728	20	25' 1	101° 469	103° 920	205° 458
20	54' 4	81° 602	84° 081	165° 734	20	42' 6	103° 922	101° 465	205° 454

in Bar. 30° 35. Ther. 48°. Run + 4°. Images 1-2 & 2. Steadiness 1-2 & 2.

 β α_2 Centauri.

1881, July 11.

 α

h	m	r	r	R	h	m	r	r	R
15	49' 0	147° 782	150° 263	298° 133	15	58' 1	120° 184	117° 739	237° 992
16	16' 4	150° 251	147° 789	298° 126	16	7' 0	117° 705	120° 191	237° 965
17	7' 5	147° 785	150° 262	298° 134	17	18' 3	120° 188	117° 699	237° 958
17	34' 8	150° 266	147° 803	298° 159	17	26' 5	117° 743	120° 181	237° 995

in Bar. 30° 57. Ther. 49°. Run + 3°. Images 1-2. Steadiness 2 & 1-2.

 β Centauri.

1881, July 11.

 γ

h	m	r	r	R
16	31' 9	35° 715	38° 176	73° 916
16	47' 3	38° 192	35° 719	73° 937

in Bar. 30° 56. Ther. 59°. Run + 5°. Images 1-2. Steadiness 1-2.

 α_2 Eridani.

1881, July 11.

 β

h	m	r	R
23	38' 1	250° 751	253° 281
0	26' 1	253° 476	251° 040
0	37' 3	251° 064	253° 552
1	19' 4	253° 623	251° 132

 α

in Bar. 30° 57. Ther. 47°. Run + 2°. Images 3 & 2-3. Steadiness 3-4 & 3.

α_2 Centauri.

1881, July 12.

 β

h	m	r	h	m	r	h	m	r
17	32.9	120.219	117.696	237.988		17	49.0	147.774
18	21.9	117.717	120.201	238.003		18	8.2	150.262
19	6.8	120.194	117.685	237.986		19	15.7	147.763
19	46.8	117.666	120.171	237.982		19	33.4	150.263

in
Bar. 30° 50.

Ther. 42° 2.

Run + 3° 6.

 α β Centauri.

1881, July 12.

 γ

h	m	r	h	m	r
18	58.8	38.187	35.695		73.932
18	51.7	35.695	38.187		73.938

in
Bar. 30° 50.

Ther. 41° 0.

Run + 2° 5.

 α_2 Eridani.

1881, July 14.

 α

h	m	r	h	m	r	h	m	r
0	27.5	242.261	244.821	487.521		0	41.8	253.571
1	7.6	244.839	242.313	487.464		0	56.1	251.049
1	18.3	242.371	244.855	487.515		1	29.2	253.634
1	49.8	244.853	242.330	487.421		1	42.5	251.115

in
Bar. 30° 45.

Ther. 51° 1.

Run + 3° 3.

 β α_2 Eridani.

1881, July 15.

 β

h	m	r	h	m	r	h	m	r
0	4.4	253.503	250.847	505.017		0	18.0	242.141
0	47.8	250.951	253.662	505.027		0	36.8	244.871
0	58.6	253.713	250.985	505.075		1	10.5	242.244
1	35.3	251.057	253.705	505.052		1	22.9	244.926

in
Bar. 30° 25.

Ther. 42° 5.

Run + 4° 1.

 α α_2 Centauri.

1881, July 16.

 β_1

h	m	r	h	m	r	h	m	r
15	48.8	213.557	210.975	424.659		16	6.1	232.322
16	41.5	210.949	213.521	424.618		16	22.6	234.902
16	55.5	213.557	210.962	424.674		17	11.8	232.299
17	37.0	210.922	213.494	424.600		17	24.9	234.872

in
Bar. 29° 99.

Ther. 57° 5.

Run + 3° 4.

 α_1

α_2 Centauri.

1881, July 19.

 α

h	m	r	r	R
15	46.1	147.646	150.390	298.125
16	28.2	150.391	147.666	298.144
17	13.3	147.652	150.392	298.132
17	48.7	150.383	147.643	298.120

in Bar. 30°32.

Ther. 39°8.

 β

h	m	r	r	R
15	58.9	120.320	117.605	237.995
16	15.6	117.597	120.323	237.989
17	26.8	120.311	117.603	237.985
17	38.8	117.575	120.310	237.958

Run + 4°9.

 β Centauri.

1881, July 19.

 γ

h	m	r	r	R
16	44.4	35.588	38.297	73.911
16	54.4	38.311	35.579	73.918

in Bar. 30°32.

Ther. 42°0.

Run + 4°3.

 α_3 Eridani.

1881, July 19.

 α

h	m	r	r	R
0	1.8	242.062	244.788	487.447
0	48.0	244.921	242.198	487.489
0	59.6	242.210	244.910	487.458
1	47.0	244.957	242.263	487.469

in Bar. 30°22.

Ther. 37°7.

 β

h	m	r	r	R
0	17.9	253.580	250.918	505.069
0	37.6	250.949	253.678	505.055
1	14.3	253.726	251.000	505.062
1	32.4	251.014	253.733	505.046

Run + 4°6.

 α_2 Centauri.

1881, July 20.

 α_1

h	m	r	r	R
16	36.2	234.895	232.248	467.312
17	16.6	232.198	234.899	467.296
17	32.3	234.867	232.218	467.298
18	12.4	232.168	234.867	467.296

in Bar. 30°09.

Ther. 41°8.

 β_1

h	m	r	r	R
16	51.2	210.878	213.572	424.609
17	4.0	213.584	210.881	424.632
17	44.0	210.879	213.580	424.657
17	59.3	213.554	210.867	424.633

Run + 3°1.

 α_2 Centauri.

1881, July 24.

 β_1

h	m	r	r	R
16	29.4	210.913	213.578	424.636
17	7.2	213.606	210.890	424.663
17	16.1	210.872	213.560	424.605
17	54.0	213.558	210.884	424.646

in Bar. 30°42.

Ther. 51°8.

 α_1

h	m	r	r	R
16	44.2	234.906	232.193	467.272
16	58.7	232.215	234.894	467.292
17	29.0	234.882	232.209	467.300
17	39.8	232.196	234.858	467.274

Run + 4°0.

α_2 Centauri.

1881, July 25.

 α_1 β_1

h	m	r	r	R	h	m	r	r	R
16	6'8	234'897	232'211	467'260	16	19'2	210'916	213'585	424'642
16	46'4	232'202	234'880	467'255	16	34'4	213'610	210'886	424'644
16	54'8	234'897	232'204	467'280	17	6'3	210'872	213'609	424'647
17	34'4	232'180	234'870	467'263	17	19'8	213'586	210'889	424'651

in
Bar. 30°48.

Ther. 53°5.

Run + 4°1.

 α_2 Eridani.

1881, July 25.

 β α

h	m	r	r	R	h	m	r	r	R
0	22'0	253'573	250'890	504'988	0	38'0	242'157	244'856	487'406
1	2'5	250'957	253'658	504'974	0	51'3	244'862	242'185	487'401
1	13'6	253'704	250'985	505'019	1	29'0	242'219	244'910	487'398
1	53'2	251'009	253'715	504'974	1	44'3	244'940	242'247	487'427

in
Bar. 30°43.

Ther. 53°5.

Run + 4°2.

 α_2 Eridani.

1881, July 26.

 α β

h	m	r	r	R	h	m	r	r	R
0	32'5	244'831	242'277	487'528	0	46'8	250'920	253'638	504'976
1	15'5	242'189	244'879	487'366	1	3'9	253'660	250'991	505'012
1	27'2	244'903	242'240	487'419	1	37'6	251'016	253'683	504'983
2	2'4	242'252	244'946	487'427	1	49'9	253'684	251'034	504'987

in
Bar. 30°25.

Ther. 43°0.

Run + 3°9.

 α_2 Centauri.

1881, July 27.

 β_1 α_1

h	m	r	r	R	h	m	r	r	R
17	15'1	213'554	210'878	424'601	17	32'1	232'155	234'840	467'201
18	1'8	210'850	213'482	424'539	17	46'8	234'835	232'191	467'247
18	14'3	213'533	210'831	424'584	18	28'3	232'130	234'858	467'260
19	2'9	210'831	213'491	424'601	18	49'6	234'791	232'066	467'162

in
Bar. 30°15.

Ther. 59°0.

Run + 3°9.

 α_2 Centauri.

1881, July 28.

 α_1 β_1

h	m	r	r	R	h	m	r	r	R
16	33'9	234'875	232'204	467'245	16	46'6	210'874	213'562	424'591
17	9'9	232'200	234'862	467'253	16	59'1	213'509	210'863	424'533
17	37'8	234'807	232'143	467'167	17	47'0	210'866	213'516	424'579
18	8'1	232'207	234'814	467'273	17	55'9	213'499	210'881	424'586

in
Bar. 30°21.

Ther. 49°9.

Run + 3°7.

α_3 Eridani.

1881, July 28.

 β

h	m	r	r	R	h	m	r	r	R
0 33.1	250.910	253.594		504.976	0 47.4	244.818	242.180		487.362
1 10.6	253.669	250.990		504.998	1 0.6	242.198	244.864		487.390
1 20.4	251.012	253.650		504.980	1 31.7	244.872	242.216		487.355
1 53.9	253.674	251.038		504.970	1 44.4	242.217	244.901		487.364

in
Bar. 30° 24.

Ther. 48° 1.

Run + 5° 2.

 α_2 Centauri.

1881, July 29.

 β_1

h	m	r	r	R	h	m	r	r	R
16 32.5	213.547	210.909		424.602	16 42.1	232.194	234.841		467.205
17 2.1	210.906	213.541		424.609	16 51.7	234.891	232.177		467.245
17 12.1	213.540	210.897		424.606	17 22.3	232.167	234.834		467.200
17 41.9	210.863	213.550		424.605	17 32.1	234.861	232.186		467.206

in
Bar. 30° 26.

Ther. 53° 8.

Run + 4° 3.

 α_2 Centauri.

1881, August 28.

 β

h	m	r	r	R	h	m	r	r	R
17 19.1	117.688	120.228		237.985	17 33.7	150.258	147.711		298.058
18 7.4	120.242	117.698		238.017	17 55.3	147.723	150.228		298.045
18 23.4	117.694	120.197		237.973	18 36.9	150.241	147.707		298.060
19 10.7	120.229	117.689		238.025	18 54.2	147.715	150.218		298.057

in
Bar. 30° 34.

Ther. 56° 0.

Run + 3° 3.

 α_2 Centauri.

1881, August 29.

 α

h	m	r	r	R	h	m	r	r	R
17 30.1	150.219	147.719		298.025	17 39.2	117.703	120.230		238.004
18 0.7	147.728	150.226		298.050	17 51.5	120.191	117.738		288.002
18 12.2	150.213	147.721		298.033	18 23.5	117.701	120.227		238.010
18 45.7	147.706	150.212		298.035	18 33.4	120.200	117.700		237.986

in
Bar. 30° 33.

Ther. 57° 8.

Run + 4° 2.

Sirius.

1881, August 29.

 α

h	m	r	r	R	h	m	r	r	R
2 20.6	144.380	141.886		286.374	2 33.3	139.713	142.233		282.027
3 0.5	141.879	144.385		286.360	2 47.9	142.232	139.735		282.048
3 12.3	144.393	141.884		286.340	3 25.3	139.748	142.222		282.051
3 49.3	141.870	144.385		286.342	3 36.9	142.224	139.713		282.018

in
Bar. 30° 28.

Ther. 50° 4.

Run + 4° 5.

α_2 Centauri.

1881, August 20.

 β

h	m	r	h	m	r	h	m	r
17	36 ²	117 ⁷ 14	120 ¹ 94	237 ⁹ 78	17	46 ³	150 ² 42	147 ⁷ 02
18	6 ⁶	120 ² 25	117 ⁷ 08	238 ⁰ 10	17	57 ⁰	147 ⁷ 32	150 ² 04
18	47 ¹	117 ⁶ 79	120 ² 15	237 ⁹ 87	18	57 ¹	150 ¹ 94	147 ⁷ 18

in Bar. 30° 34.

Ther. 55° 6.

Run + 4° 4.

 α β Centauri.

1881, August 30.

 γ

h	m	r	h	m	r	h	m	r
18	22 ⁸	35 ⁶ 98	38 ¹ 71	73 ⁹ 11				
18	33 ¹	38 ¹ 36	35 ⁶ 83	73 ⁸ 68				

 ϵ Indi.

1881, August 31.

 β

h	m	r	h	m	r	h	m	r
1	45 ⁰	101 ³ 58	103 ¹ 882	205 ³ 47	1	56 ⁹	84 ⁰ 39	81 ⁵ 56
2	24 ⁴	103 ⁸ 74	101 ¹ 376	205 ³ 86	2	10 ⁵	81 ⁵ 81	84 ⁰ 54
2	39 ⁸	101 ³ 75	103 ¹ 903	205 ⁴ 28	2	51 ⁵	84 ⁰ 11	81 ⁵ 47
3	19 ⁹	103 ⁸ 40	101 ¹ 348	205 ³ 86	3	5 ⁵	81 ⁵ 25	84 ⁰ 06

in Bar. 30° 10.

Ther. 52° 2.

Run + 5° 3.

 α α_2 Centauri.

1881, September 3.

 α

h	m	r	h	m	r	h	m	r
18	10 ⁴	150 ² 38	147 ⁷ 31	298 ⁰ 70	18	17 ⁸	117 ⁷ 15	120 ² 17
18	34 ²	147 ⁷ 02	150 ² 10	298 ⁰ 25	18	26 ⁵	120 ² 09	117 ⁷ 10
19	5 ⁸	147 ⁷ 02	150 ¹ 93	298 ⁰ 30	19	12 ⁶	120 ² 17	117 ⁶ 90
19	27 ⁹	150 ¹ 88	147 ⁷ 08	298 ⁰ 55	19	20 ⁰	117 ⁶ 78	120 ¹ 96

in Bar. 30° 24.

Ther. 47° 3.

Run + 3° 7.

 β β Centauri.

1881, September 3.

 γ

h	m	r	h	m	r	h	m	r
18	46 ²	38 ¹ 88	35 ⁶ 80	73 ⁹ 21				
18	55 ⁰	35 ⁶ 76	38 ¹ 80	73 ⁹ 12				

in Bar. 30° 24.

Ther. 47° 0.

Run + 5° 4.

ε Indi.

1881, September 3.

α

h	m	r	r	E	h	m	r	r	E
22	8.4	81.606	84.059	165.712	22	23.0	103.924	101.415	205.398
22	50.0	84.096	81.585	165.730	22	36.0	101.415	103.896	205.370
23	1.9	81.586	84.071	165.707	23	10.6	103.905	101.407	205.373
23	34.6	84.091	81.591	165.737	23	27.9	101.385	103.903	205.350

in
Bar. 30°21.

Ther. 49°3.

Run + 3°9.

β

Sirius.

1881, September 5.

β

b	m	r	r	E	h	m	r	r	E
2	36.8	139.714	142.251	282.046	2	51.1	144.378	141.874	286.351
3	11.4	142.234	139.727	282.042	3	0.7	141.870	144.374	286.341
3	19.1	139.733	142.227	282.041	3	28.4	144.404	141.873	286.367
3	57.3	142.240	139.725	282.045	3	43.2	141.869	144.397	286.355

in
Bar. 30°21.

Ther. 45°2.

Run + 4°5.

α

ε Indi.

1881, September 6.

β

h	m	r	r	E	h	m	r	r	E
2	16.0	103.869	101.373	205.376	2	33.1	81.534	84.033	165.692
3	4.2	101.394	103.855	205.430	2	50.7	84.052	81.527	165.715
3	17.3	103.859	101.340	205.398	3	32.4	81.504	84.019	165.697
4	1.1	101.273	103.838	205.386	3	43.0	84.013	81.494	165.693

in
Bar. 30°38.

Ther. 42°2.

Run + 5°5.

α

α₂ Centauri.

1881, September 7.

β

h	m	r	r	E	h	m	r	r	E
18	28.2	120.222	117.682	237.089	18	38.4	147.718	150.255	298.087
18	59.5	117.716	120.207	238.023	18	50.5	150.199	147.727	298.048
19	38.7	117.706	120.210	238.048	19	48.4	150.178	147.680	298.040
20	13.6	120.185	117.655	238.017	19	59.8	147.661	150.189	298.054

in
Bar. 30°42.

Ther. 54°8.

Run + 3°1.

γ

β Centauri.

1881, September 7.

h	m	r	r	E
19	10.1	35.701	38.189	73.951
19	24.8	38.147	35.688	73.903

ε Indi.

1881, September 7.

α

h	m	r	r	R	h	m	r	r	R
22	10 ⁰ 0	81 ⁰ 582	84 ⁰ 089	165 ⁰ 718	22	19 ⁰ 6	103 ⁰ 909	101 ⁰ 395	205 ⁰ 363
22	46 ³	84 ⁰ 096	81 ⁰ 577	165 ⁰ 722	22	33 ⁹	101 ⁰ 388	103 ⁰ 910	205 ⁰ 357
22	56 ⁹	81 ⁰ 558	84 ⁰ 102	165 ⁰ 710	23	8 ¹	103 ⁰ 914	101 ⁰ 390	205 ⁰ 365
23	28 ²	84 ⁰ 078	81 ⁰ 600	165 ⁰ 731	23	18 ²	101 ⁰ 414	103 ⁰ 913	205 ⁰ 389

in

Bar. 30° 42.

Ther. 55° 3.

Run + 6° 5.

β

ε Indi.

1881, September 7.

α₂α₂ Centauri.

1881, September 10.

β₁

h	m	r	r	R	h	m	r	r	R
17	57 ⁰ 0	234 ⁰ 731	232 ⁰ 305	467 ⁰ 270	18	13 ³	210 ⁰ 953	213 ⁰ 424	424 ⁰ 597
18	38 ⁸	232 ⁰ 249	234 ⁰ 716	467 ⁰ 255	18	27 ²	213 ⁰ 456	210 ⁰ 958	424 ⁰ 649
18	49 ³	234 ⁰ 730	232 ⁰ 278	467 ⁰ 314	19	3 ⁵	210 ⁰ 915	213 ⁰ 416	424 ⁰ 612
19	24 ⁰	232 ⁰ 210	234 ⁰ 636	467 ⁰ 217	19	16 ²	213 ⁰ 416	210 ⁰ 957	424 ⁰ 673

in

Bar. 30° 18.

Ther. 57° 0.

Run + 2° 7.

ε Indi.

1881, September 10.

β

ε Indi.

α

h	m	r	r	R	h	m	r	r	R
22	19 ⁸	103 ⁰ 887	101 ⁰ 418	205 ⁰ 363	22	29 ³	81 ⁰ 615	84 ⁰ 069	165 ⁰ 732
23	0 ³	101 ⁰ 403	103 ⁰ 859	205 ⁰ 321	22	41 ⁰	84 ⁰ 055	81 ⁰ 602	165 ⁰ 706
23	15 ³	103 ⁰ 918	101 ⁰ 399	205 ⁰ 378	23	29 ⁴	81 ⁰ 618	84 ⁰ 067	165 ⁰ 738
23	55 ⁸	101 ⁰ 420	103 ⁰ 914	205 ⁰ 401	23	43 ¹	84 ⁰ 060	81 ⁰ 632	165 ⁰ 747

in

Bar. 30° 17.

Ther. 57° 0.

Run + 4° 4.

α₂ Centauri.

1881, September 13.

α

h	m	r	r	R	h	m	r	r	R
17	57 ¹	150 ⁰ 219	147 ⁰ 746	298 ⁰ 060	18	9 ⁶	117 ⁰ 736	120 ⁰ 221	238 ⁰ 036
18	29 ⁹	147 ⁰ 732	150 ⁰ 223	298 ⁰ 064	18	21 ¹	120 ⁰ 200	117 ⁰ 739	238 ⁰ 021
18	42 ²	150 ⁰ 208	147 ⁰ 724	298 ⁰ 049	18	54 ⁹	117 ⁰ 718	120 ⁰ 219	238 ⁰ 035
19	18 ⁸	147 ⁰ 720	150 ⁰ 234	298 ⁰ 102	19	4 ⁷	120 ⁰ 206	117 ⁰ 708	238 ⁰ 018

in

Bar. 30° 30.

Ther. 49° 3.

Run + 2° 1.

β

ε Indi.

1881, September 13.

β

ε Indi.

α

h	m	r	r	R	h	m	r	r	R
22	30 ¹	101 ⁰ 401	103 ⁰ 895	205 ⁰ 356	22	47 ⁸	84 ⁰ 061	81 ⁰ 598	165 ⁰ 710
23	12 ⁰	103 ⁰ 907	101 ⁰ 422	205 ⁰ 391	22	59 ⁸	81 ⁰ 586	84 ⁰ 052	165 ⁰ 689
23	24 ³	101 ⁰ 384	103 ⁰ 891	205 ⁰ 338	23	41 ⁴	84 ⁰ 051	81 ⁰ 586	165 ⁰ 693
0	5 ⁵	103 ⁰ 899	101 ⁰ 430	205 ⁰ 400	23	55 ⁰	81 ⁰ 596	84 ⁰ 057	165 ⁰ 712

in

Bar. 30° 35.

Ther. 45° 2.

Run + 5° 1.

Lacaille 9352.

1881, September 14.

 α

h	m	r	r	R	h	m	r	r	R
1	48 ²	266 ³ 84	263 ⁸ 866	530 ⁴ 457	1	52 ²	170 ⁰ 44	172 ⁵ 33	342 ⁷ 06
2	23 ⁹	263 ⁸ 60	266 ³ 325	530 ⁴ 417	2	7 ⁴	172 ⁵ 31	170 ⁰ 40	342 ⁷ 09
2	36 ³	266 ³ 325	263 ⁸ 862	530 ⁴ 432	2	49 ¹	170 ⁰ 55	172 ⁵ 18	342 ⁷ 34
3	17 ²	263 ⁸ 37	266 ³ 320	530 ⁴ 454	3	1 ⁷	172 ⁵ 33	170 ⁰ 16	342 ⁷ 24

in
Bar. 30° 44.

Ther. 49° 0.

Run + 5° 9.

 β

Sirius.

1881, September 14.

 α

h	m	r	r	R	h	m	r	r	R
3	46 ³	144 ³ 93	141 ⁸ 91	286 ³ 72	3	57 ⁶	139 ⁷ 28	142 ² 33	282 ⁰ 41
4	22 ⁹	141 ⁸ 96	144 ³ 88	286 ³ 68	4	9 ⁸	142 ² 22	139 ⁷ 43	282 ⁰ 45
4	32 ⁴	144 ³ 80	141 ⁹ 20	286 ³ 83	4	45 ⁶	139 ⁷ 35	142 ² 32	282 ⁰ 48
5	9 ²	141 ⁸ 88	144 ³ 78	286 ³ 48	4	58 ⁶	142 ² 23	139 ⁷ 42	282 ⁰ 46

in
Bar. 30° 39.

Ther. 49° 5.

Run + 2° 4.

 β α_2 Centauri.

1881, September 20.

 β

h	m	r	r	R	h	m	r	r	R
18	26 ⁶	117 ⁷ 66	120 ¹ 85	238 ⁰ 34	18	37 ⁴	150 ¹ 88	147 ⁷ 19	298 ⁰ 19
19	2 ⁶	120 ¹ 79	117 ⁷ 26	238 ⁰ 06	18	51 ¹	147 ⁷ 40	150 ¹ 86	298 ⁰ 47
19	12 ⁸	117 ⁷ 36	120 ¹ 94	238 ⁰ 38	19	22 ⁴	150 ¹ 68	147 ⁶ 95	298 ⁰ 13
19	44 ⁹	120 ¹ 83	117 ⁷ 36	238 ⁰ 56	19	34 ⁹	147 ⁷ 15	150 ¹ 53	298 ⁰ 33

in
Bar. 30° 32.

Ther. 58° 0.

Run + 4° 1.

 α ϵ Indi.

1881, September 20.

 α

h	m	r	r	R	h	m	r	r	R
20	16 ²	81 ⁰ 607	84 ⁰ 063	165 ⁷ 24	20	29 ²	103 ⁸ 55	101 ⁴ 27	205 ³ 50
20	56 ⁴	84 ⁰ 82	81 ⁶ 27	165 ⁷ 59	20	43 ⁶	101 ⁴ 17	103 ⁸ 43	205 ³ 26
21	7 ³	81 ⁰ 604	84 ⁰ 061	165 ⁷ 14	21	19 ⁸	103 ⁸ 80	101 ⁴ 25	205 ³ 65
21	41 ⁰	84 ⁰ 55	81 ⁶ 35	165 ⁷ 36	21	32 ⁴	101 ⁴ 24	103 ⁸ 68	205 ³ 53

in
Bar. 30° 33.

Ther. 56° 0.

Run + 5° 0.

 β

Sirius.

1881, September 20.

 β

h	m	r	r	R	h	m	r	r	R
3	1 ⁶	142 ² 30	139 ⁷ 18	282 ⁰ 28	3	9 ⁹	141 ⁸ 90	144 ³ 86	286 ³ 69
3	30 ⁷	139 ⁷ 09	142 ² 47	282 ⁰ 36	3	19 ⁶	144 ⁴ 13	141 ⁸ 67	286 ³ 71
3	40 ⁸	142 ² 47	139 ⁷ 10	282 ⁰ 37	3	49 ⁷	141 ⁸ 67	144 ⁴ 20	286 ³ 84
4	8 ⁸	139 ⁷ 13	142 ² 45	282 ⁰ 37	3	59 ⁰	144 ³ 94	141 ⁸ 74	286 ³ 63

in
Bar. 30° 32.

Ther. 54° 7.

 α

e Indi. 1881, September 21.

 β

h	m	r	r	R	h	m	r	r	R
23	8'7	101°385	103°909	205°354	23	20'3	84°106	81°585	165°743
23	46'3	103°913	101°392	205°370	23	34'0	81°570	84°087	165°711
23	58'2	101°380	103°927	205°374	0	10'5	84°113	81°601	165°776
0	36'6	103°914	101°392	205°382	0	23'2	81°577	84°077	165°717

in
Bar. 30°29.

Ther. 58°0.

Run + 4°0.

 α_2 Centauri. 1881, September 23. α

h	m	r	r	R	h	m	r	r	R
18	51'5	147°663	150°227	298°011	19	8'5	120°210	117°703	238°017
19	40'6	150°203	147°649	298°022	19	26'5	117°706	120°182	238°007

in
Bar. 30°27.

Ther. 59°0.

Run + 4°8.

Sirius. 1881, September 23.

 α

h	m	r	r	R	h	m	r	r	R
3	47'7	141°860	144°375	286°330	3	56'5	142°249	139°728	282°055
4	16'4	144°391	141°871	286°346	4	6'5	139°708	142°231	282°017
4	44'7	141°885	144°415	286°382	4	35'0	142°256	139°699	282°034
5	1'0	144°395	141°900	286°376	4	49'9	139°724	142°204	282°007

in
Bar. 30°24.

Ther. 57°5.

Run + 1°7.

e Indi. 1881, September 24.

 α

h	m	r	r	R	h	m	r	r	R
23	56'0	81°632	84°086	165°776	0	7'4	103°924	101°440	205°434
0	35'8	84°074	81°603	165°744	0	21'2	101°447	103°896	205°416
0	45'1	81°612	84°042	165°724	0	55'4	103°900	101°402	205°385
1	23'7	84°093	81°585	165°762	1	9'4	101°415	103°880	205°383

in
Bar. 30°20.

Ther. 56°7.

Run + 4°0.

 α_2 Centauri. 1881, September 26. α

h	m	r	r	R	h	m	r	r	R
19	1'2	147°716	150°199	298°043	19	8'4	120°190	117°711	238°006
19	29'9	150°215	147°721	298°095	19	28'9	117°730	120°197	238°049
19	38'5	147°704	150°164	298°037	19	47'8	120°194	117°713	238°048
20	6'3	150°151	147°713	298°080	20	8'5	117°699	120°182	238°049

in
Bar. 30°13.

Ther. 53°2.

Run + 4°9.

Sirius.

1881, September 27.

 β

h	m	r	r	R	h	m	r	r	R
3 16.5	139.749	142.221		282.049	3 26.8	144.382	141.906	286.376	
3 49.2	142.260	139.733		282.072	3 37.7	141.905	144.404	286.396	
4 2.8	139.722	142.234		282.034	4 16.3	144.412	141.907	286.402	
4 41.1	142.240	139.745		282.064	4 27.9	141.909	144.404	286.394	

in
Bar. 30°.10.

Ther. 57°.7.

Run + 3°.2.

 α

Sirius.

1881, September 30.

 β

h	m	r	r	R	h	m	r	r	R
3 48.0	144.403	141.886		286.375	3 59.2	139.742	142.212	282.033	
4 28.6	141.847	144.398		286.328	4 12.1	142.209	139.722	282.010	

in
Bar. 30°.10.

Ther. 54°.0.

Run + 3°.1.

 β α_2 Centauri.

1881, October 4.

 α

h	m	r	r	R	h	m	r	r	R
19 25.4	117.697	120.186		237.998	19 34.5	150.159	147.700	298.021	
20 1.3	120.173	117.700		238.029	19 55.6	147.695	150.171	298.042	
20 10.6	117.669	120.151		237.989	20 21.5	150.163	147.676	298.084	
20 42.1	120.101	117.656		237.985	20 31.1	147.627	150.119	298.014	

in
Bar. 30°.07.

Ther. 61°.3.

Run + 3°.4.

 β

Sirius.

1881, October 4.

 α

h	m	r	r	R	h	m	r	r	R
4 1.2	142.240	139.721		282.039	4 9.8	141.876	144.384	286.344	
4 41.0	139.745	142.227		282.051	4 22.8	144.388	141.889	286.360	
4 50.0	142.233	139.731		282.043	5 0.6	141.887	144.397	286.364	
5 26.6	142.250	139.757		282.077	5 12.8	141.908	144.400	286.388	

in
Bar. 30°.03.

Ther. 55°.0.

Run + 2°.9.

 α α_2 Centauri.

1881, October 6.

 β

h	m	r	r	R	h	m	r	r	R
21 4.9	147.583	150.110		298.980	21 15.1	120.109	117.618	238.050	
21 37.4	150.025	147.519		298.097	21 27.0	117.603	120.078	238.048	
21 45.5	147.495	149.930		298.033	21 52.4	119.975	117.526	237.986	
22 22.5	149.802	147.290		298.029	22 7.0	117.472	119.951	237.993	

Lacaille 9352.

1881, October 6.

β			α		
h 1 22.9	m 170.010	r 172.550	h 1 50.1	m 266.409	r 263.901
2 23.9	172.533	170.034	2 11.0	263.845	266.367
					530.515
					530.432

 α_2 Centauri.

1881, October 7.

β			α		
h 19 39.1	m 117.683	r 120.190	h 19 49.1	m 150.165	r 147.674
20 8.3	120.187	117.691	19 59.0	147.691	150.158
20 15.7	117.687	120.166	20 22.6	150.143	147.672
20 43.2	120.154	117.652	20 34.6	147.642	150.114
					298.023
					298.050
					298.072
					298.038
in Bar. 30° 25.			Ther. 58° 0.		
			Run + 3° 0.		

Sirius.

1881, October 8.

β			α		
h 4 48.1	m 139.753	r 142.247	h 5 1.4	m 144.422	r 141.915
5 34.1	142.232	139.732	5 18.4	141.928	144.408
5 44.1	139.738	142.239	5 54.9	144.401	141.891
6 11.9	142.240	139.763	6 4.2	141.931	144.406
					286.419
					286.418
					286.375
					286.420
in Bar. 30° 17.			Ther. 50° 5.		
			Run + 3° 0.		

 ϵ Indi.

1881, October 10.

β			α		
h 0 20.3	m 101.389	r 103.890	h 0 33.8	m 84.097	r 81.602
0 52.4	103.906	101.397	0 43.8	81.595	84.072
0 59.2	101.393	103.860	1 7.4	84.078	81.580
1 25.5	103.887	101.378	1 16.4	81.580	84.069
					165.767
					165.738
					165.736
					165.731
in Bar. 30° 32.			Ther. 49° 7.		
			Run + 4° 1.		

 α_2 Centauri.

1881, October 12.

α			β		
h 20 6.9	m 150.155	r 147.671	h 20 16.4	m 117.678	r 120.164
20 38.1	147.640	150.070	20 27.1	120.139	117.691
20 49.6	150.086	147.608	21 4.0	117.681	120.112
21 22.7	147.592	150.024	21 14.5	120.102	117.626
					238.022
					238.029
					238.080
					238.048
in Bar. 30° 25.			Ther. 59° 3.		
			Run + 2° 7.		

ϵ Indi.					1881, October 13.				
β					α				
h	m	r	r	R	h	m	r	r	R
0	57.9	101.413	103.868	205.362	1	9.2	84.043	81.625	165.744
1	39.2	103.859	101.404	205.364	1	24.8	81.619	84.055	165.756
1	54.4	101.395	103.868	205.374	2	10.4	84.033	81.625	165.761
2	34.1	103.850	101.385	205.377	2	22.0	81.591	84.012	165.714

Lacaille 9352.					1881, October 16.				
					α				
β					α				
h	m	r	r	R	h	m	r	r	R
1	0° 2'	172° 511	170° 076	342° 698	1	10° 1'	263° 960	266° 394	530° 533
1	38° 2'	170° 088	172° 531	342° 739	1	24° 6'	266° 395	263° 064	530° 545
1	49° 0'	172° 528	170° 036	342° 688	2	0° 5'	263° 917	266° 401	530° 527
2	19° 8'	170° 061	172° 498	342° 697	2	11° 3'	266° 366	263° 921	530° 503
in									
Bar. 30° 09.					Ther. 59° 2.				
Run + 3° 3.					Run + 3° 3.				

Sirius.						1881, October 16.					
α						β					
h	m	r	h	m	r	h	m	r	h	m	r
2	44.1	144° 35.1	141° 95.3	286° 400		2	54.6	139° 762	142° 180	282° 021	
3	16.1	141° 90.6	144° 38.2	286° 377		3	6.0	142° 201	139° 736	282° 016	
3	23.9	144° 36.3	141° 91.2	286° 363		3	34.2	139° 738	142° 205	282° 022	
3	55.8	141° 91.6	144° 34.5	286° 346		3	45.0	142° 190	139° 765	282° 034	
in											
Bar. 30°07.				Ther. 59°2.				Run + 3°2.			

Sirius.						1881, October 19.		
β						α		
h	m	r	h	m	r	h	m	r
4	4° 5'	142° 191	139° 769	282° 038		4	13° 1'	141° 925
4	32° 7'	189° 748	142° 196	282° 023		4	22° 7'	144° 375
4	46° 1'	142° 200	139° 771	282° 050		4	57° 2'	141° 920
5	14° 4'	139° 749	142° 207	282° 035		5	5° 3'	144° 375
in								
Bar. 30° 21.			Ther. 60° 5'.			Run + 2° 3'.		
Images 1-2.			Steadiness 1-2.					

α_2 Centauri.

1881, October 28.

 β

h	m	r	h	m	r	h	m	r
21	13.0	120.078	117.589	237.982		21	22.2	147.548
21	44.0	117.526	120.010	237.978		21	31.4	149.984
21	53.7	119.994	117.513	237.994		22	3.9	147.461
22	24.7	117.405	119.914	238.014		22	13.4	149.813

in
Bar. 30°00.

Ther. 54°3.

Run + 2°2.

 α ϵ Indi.

1881, October 28.

 α

h	m	r	h	m	r	h	m	r
0	2.8	81.616	84.070	165.746		0	10.7	103.885
0	32.6	84.100	81.617	165.783		0	20.6	101.406
0	42.3	81.617	84.095	165.781		0	53.3	103.884
1	13.5	84.081	81.605	165.765		1	5.1	101.398

in
Bar. 29°98.

Ther. 49°2.

Run + 4°2.

Images 1.

 β

Steadiness 1.

Sirius.

1881, October 28.

 α

h	m	r	h	m	r	h	m	r
4	55.1	144.397	141.905	286.383		5	6.7	139.725
5	33.7	141.920	144.380	286.381		5	20.0	142.206
5	43.9	144.378	141.890	286.349		5	54.4	139.733
6	21.0	141.914	144.379	286.376		6	14.2	142.216

in
Bar. 29°87.

Ther. 47°3.

Run + 3°3.

Images 1-2.

Steadiness 2.

 ϵ Indi.

1881, October 31.

 α

h	m	r	h	m	r	h	m	r
23	55.8	81.607	84.075	165.741		0	6.3	103.890
0	23.8	84.092	81.615	165.771		0	13.7	101.379
0	32.7	81.599	84.070	165.736		0	42.7	103.875
1	7.5	84.078	81.612	165.769		0	52.5	101.380

in
Bar. 30°41.

Ther. 51°7.

Run + 4°9.

Images 2-3.

 β

Steadiness 2-3.

Lacaille 9352.

1881, October 31.

 α

h	m	r	h	m	r	h	m	r
3	2.6	263.880	266.341	530.498		3	10.6	172.494
3	30.4	266.321	263.820	530.457		3	19.8	170.032

in
Bar. 30°37.

Ther. 50°0.

Run + 4°9.

Images 3.

 β

Steadiness 3.

Lacaille 9352.

1881, November 3.

 α

h	m	r	r	R
1	33.7	263.906	266.407	530.504
2	1.6	266.397	263.904	530.510
2	11.4	263.878	266.443	530.537
2	37.6	266.420	263.893	530.553

in
Bar. 30°.10.

Ther. 59°.5.

Run + 4°.4.

Images 2.

 β

h	m	r	r	R
1	42.1	172.495	170.044	342.660
1	52.3	170.026	172.525	342.678
2	21.4	172.529	170.046	342.713
2	30.3	170.018	172.490	342.652

Steadiness 2.

Sirius.

1881, November 3.

 β

h	m	r	r	R
2	54.3	139.713	142.212	282.004
3	21.2	142.229	137.707	282.015
3	29.1	139.726	142.210	282.015
3	56.4	142.214	139.727	282.020

in
Bar. 30°.10.

Ther. 59°.5.

Run + 2°.7.

 α

h	m	r	r	R
3	4.0	144.396	141.898	286.386
3	12.5	141.901	144.419	286.411
3	37.4	144.407	141.912	286.406
3	46.9	141.903	144.378	286.367

Lacaille 9352.

1881, November 5.

 β

h	m	r	r	R
1	46.9	172.505	170.010	342.638
2	20.8	170.019	172.468	342.625
2	29.2	172.490	170.025	342.657
3	1.2	169.990	172.466	342.620

in
Bar. 30°.02.

Ther. 60°.0.

Run + 4°.8.

 α

h	m	r	r	R
1	55.8	263.904	266.383	530.492
2	11.6	266.360	263.890	530.465
2	42.7	263.886	266.380	530.510
3	53.1	266.400	263.893	530.549

Sirius.

1881, November 5.

 α

h	m	r	r	R
3	18.2	144.395	141.888	286.372
3	44.0	141.916	144.390	286.391
3	52.1	144.396	141.933	286.413
4	20.8	141.866	144.393	286.341

in
Bar. 30°.02.

Ther. 58°.8.

Run + 2°.6.

 β

h	m	r	r	R
3	26.2	139.724	142.208	282.011
3	35.4	142.198	139.744	282.021
4	0.3	139.755	142.198	282.031
4	11.0	142.232	139.725	282.035

 ϵ Indi.

1881, November 10.

 α

h	m	r	r	R
23	34.3	84.115	81.620	165.789
0	4.6	81.623	84.086	165.768
0	11.7	84.102	81.621	165.785
0	46.5	81.635	84.074	165.779

in
Bar. 30°.03.

Ther. 51°.3.

Run + 3°.0.

 β

h	m	r	r	R
23	43.7	101.415	103.895	205.375
23	55.1	103.866	101.399	205.332
0	22.4	101.405	103.875	205.352
0	34.2	103.892	101.398	205.366

Sirius.

1881, November 13.

 β

h	m	r	r	R	h	m	r	r	R
2 41' 2	142' 215	139' 725	282' 021		2 49' 3	141' 907	144' 373	286' 379	
3 10' 4	139' 755	142' 212	282' 048		3 0' 6	144' 385	141' 900	286' 382	
3 24' 4	142' 219	139' 740	282' 040		3 36' 1	141' 909	144' 391	286' 389	
3 56' 0	139' 738	142' 220	282' 039		3 46' 3	144' 375	141' 904	286' 367	

in
Bar. 30° 21.

Ther. 46° 0.

Run + 2° 6.

 α ϵ Indi.

1881, November 14.

 β

h	m	r	r	R	h	m	r	r	R
0 36' 2	101' 362	103' 838	205' 276		0 46' 8	84' 093	81' 602	165' 766	
1 7' 9	103' 865	101' 399	205' 351		1 0' 2	81' 584	84' 083	165' 741	
1 15' 7	101' 386	103' 858	205' 335		1 25' 9	84' 084	81' 612	165' 781	
1 46' 2	103' 868	101' 398	205' 373		1 37' 1	81' 598	84' 064	165' 751	

in
Bar. 30° 07.

Ther. 54° 7.

Run + 3° 7.

 α

Sirius.

1881, November 18.

 α

h	m	r	r	R	h	m	r	r	R
3 29' 4	141' 910	144' 395	286' 394		3 37' 9	142' 215	139' 733	282' 028	
3 58' 6	144' 413	141' 917	286' 415		3 48' 0	139' 759	142' 217	282' 056	
4 10' 2	141' 917	144' 385	286' 387		4 19' 7	142' 213	139' 751	282' 043	
4 38' 0	144' 400	141' 902	286' 385		4 29' 0	139' 741	142' 210	282' 031	

in
Bar. 30° 28.

Ther. 51° 8.

Run + 1° 9.

 β

Lacaille 9352.

1881, November 19.

 α

h	m	r	r	R	h	m	r	r	R
1 52' 7	263' 926	266' 412	530' 541		2 0' 5	172' 495	169' 998	342' 623	
2 17' 4	266' 385	263' 912	530' 518		2 9' 2	170' 011	172' 479	342' 624	
2 25' 8	263' 902	266' 384	530' 515		2 33' 5	172' 471	170' 012	342' 629	
2 57' 4	266' 381	263' 883	530' 527		2 43' 1	169' 996	172' 453	342' 601	

in
Bar. 30° 02.

Ther. 56° 8.

Run + 3° 4.

 β ϵ Indi.

1881, November 20.

 β

h	m	r	r	R	h	m	r	r	R
0 20' 7	103' 874	101' 375	205' 321		0 34' 7	81' 593	84' 078	165' 737	
0 56' 6	101' 375	103' 865	205' 321		0 46' 2	84' 098	81' 591	165' 758	
1 9' 4	103' 847	101' 357	205' 291		1 18' 9	81' 598	84' 066	165' 744	
1 42' 7	101' 364	103' 850	205' 318		1 28' 9	84' 058	81' 619	165' 762	

in
Bar. 29° 85.

Ther. 59° 0.

Run + 3° 6.

 α

Lacaille 9352.

1881, November 20.

 β

h	m	r	r	R	h	m	r	r	R
3	21.9	172.502	169.965	342.650	3	32.3	263.850	266.340	530.499
3	52.6	169.967	172.475	342.658	3	42.0	266.354	263.854	530.533
4	1.2	172.457	169.943	342.628	4	9.7	263.783	266.331	530.508

Bar. 29° 85.

Ther. 55° 8.

Run + 4° 2.

 α ϵ Indi.

1881, November 24.

 α

h	m	r	r	R	h	m	r	r	R
0	52.0	84.069	81.617	165.758	1	2.4	101.402	103.863	205.349
1	24.6	81.596	84.073	165.754	1	15.0	103.863	101.382	205.335
1	36.0	84.076	81.601	165.766	1	46.1	101.366	103.859	205.332
2	9.1	81.624	84.077	165.805	1	58.6	103.837	101.372	205.323

Bar. 30° 19.

Ther. 58° 4.

Run + 2° 9.

 β

Sirius.

1881, November 24.

 β

h	m	r	r	R	h	m	r	r	R
2	23.3	142.230	139.717	282.026	2	32.2	141.900	144.379	286.378
2	51.3	139.726	142.209	282.013	2	41.9	144.376	141.907	286.381
3	4.0	142.236	139.743	282.057	3	14.4	141.907	144.386	286.383
3	34.8	139.724	142.228	282.030	3	24.7	144.391	141.908	286.386

Bar. 30° 00.

Ther. 61° 7.

Run + 2° 1.

 α

Lacaille 9352.

1881, November 26.

 α

h	m	r	r	R	h	m	r	r	R
1	23.1	266.441	263.939	530.565	1	35.6	169.987	172.496	342.602
1	55.1	263.923	266.409	530.536	1	45.9	172.510	170.024	342.657
2	5.1	266.409	263.925	530.544	2	13.9	170.005	172.492	342.632

Bar. 29° 85.

Ther. 56° 0.

Run + 5° 4.

 β

Sirius.

1881, November 28.

 α

h	m	r	r	R	h	m	r	r	R
4	6.3	144.430	141.933	286.447	4	14.5	139.761	142.254	282.092
4	33.2	141.920	144.420	286.422	4	23.8	142.254	139.757	282.089
4	47.3	144.417	141.922	286.421	4	56.1	139.741	142.235	282.055
5	20.9	141.934	144.431	286.445	5	7.8	142.249	139.760	282.088

Bar. 30° 10.

Ther. 55° 7.

Run + 1° 6.

 β

Lacaille 9352.

1881, November 29.

 β

h	m	r	r	R	h	m	r	r	R
2	37	170° 040	172° 511	342° 682	2	115	266° 470	263° 979	530° 666
2	338	172° 522	170° 015	342° 683	2	246	263° 957	266° 460	530° 644
2	455	170° 027	172° 514	342° 695	2	566	266° 460	263° 924	530° 646
3	204	172° 504	169° 994	342° 680	3	98	263° 908	266° 429	530° 616

in
Bar. 29° 98. Ther. 55° 3. Run + 4° 1. Images 2. Steadiness 2. ϵ Indi.

1881, December 1.

 α

h	m	r	r	R	h	m	r	r	R
1	350	81° 632	84° 102	165° 823	1	496	103° 888	101° 373	205° 371
2	99	84° 104	81° 611	165° 821	1	598	101° 372	103° 860	205° 349
2	189	81° 630	84° 064	165° 805	2	275	103° 867	101° 342	205° 347
2	444	84° 066	81° 594	165° 788	2	368	101° 354	103° 840	205° 341

in
Bar. 30° 25. Ther. 53° 8. Run + 4° 3. α_2 Centauri.

1881, December 1.

 α

h	m	r	r	R	h	m	r	r	R
7	486	150° 205	147° 730	298° 030	8	09	117° 742	120° 203	238° 026
8	254	147° 747	150° 181	298° 037	8	141	120° 181	117° 740	238° 006

Lacaille 9352.

1881, December 8.

 β

h	m	r	r	R	h	m	r	r	R
1	353	170° 046	172° 458	342° 624	1	560	266° 382	263° 977	530° 566
2	210	172° 452	170° 025	342° 617	2	90	263° 985	266° 379	530° 580
2	289	170° 017	172° 437	342° 598	2	394	266° 387	263° 975	530° 605
3	16	172° 461	170° 018	342° 645	2	507	263° 967	266° 363	530° 586

in
Bar. 30° 16. Ther. 56° 0. Run + 3° 1.

Sirius.

1881, December 8.

 β

h	m	r	r	R	h	m	r	r	R
3	261	139° 797	142° 176	282° 053	3	382	144° 369	141° 960	286° 416
3	560	142° 177	139° 767	282° 024	3	476	141° 955	144° 346	286° 387
4	27	139° 771	142° 180	282° 030	4	134	144° 375	141° 961	286° 420

in
Bar. 30° 17. Ther. 54° 0. Run + 2° 4.

Sirius.

1881, December 9.

 α β

h	m	r	r	R	h	m	r	r	R	
4	16	4	144	367	141	942	286	392	282	027
4	44	7	141	959	144	346	286	386	282	066
4	53	1	144	371	141	980	286	432	282	079
5	30	5	141	955	144	388	286	423	282	130

in
Bar. 30° 09.

Ther. 60° 5.

Run + 1° 4.

Lacaille 9352.

1881, December 10.

 α β

h	m	r	r	R	h	m	r	r	R	
3	26	7	266	394	263	956	530	650	342	585
3	56	9	263	905	266	302	530	566	342	659
4	8	0	266	284	263	858	530	526	342	671
4	38	3	263	854	266	238	530	580	342	641

in
Bar. 30° 04.

Ther. 61° 8.

Run + 4° 4.

 α_2 Centauri.

1881, December 10.

 β α

h	m	r	r	R	h	m	r	r	R		
8	37	7	117	753	120	163	238	005	8	44	7
9	11	8	120	162	117	762	238	020	8	55	7
9	18	1	117	743	120	133	237	973	9	27	0

in
Bar. 30° 02.

Ther. 60° 5.

Run + 2° 8.

Sirius.

1881, December 11.

 α β

h	m	r	r	R	h	m	r	r	R		
3	17	3	144	394	141	969	286	452	3	27	3
3	45	8	141	966	144	365	286	416	3	36	8
3	53	5	144	370	141	983	286	437	4	1	4
4	18	7	141	970	144	404	286	456	4	10	4

in
Bar. 30° 13.

Ther. 62° 0.

Run + 3° 1.

Lacaille 9352.

1881, December 13.

 β α

h	m	r	r	R	h	m	r	r	R		
2	31	9	170	021	172	447	342	612	2	42	2
3	2	1	172	447	170	036	342	648	2	53	2
3	9	8	170	034	172	420	342	625	3	19	1
3	40	2	172	437	170	037	342	674	3	29	8

in
Bar. 30° 00.

Ther. 62° 0.

Run + 5° 0.

Sirius.

1881, December 16.

 β

h	m	r	r	R	h	m	r	r	R	
3	14	1	139	812	142	179	282	069	286	421
3	45	2	142	203	139	786	282	067	141	965
3	53	3	139	793	142	186	282	057	144	348
4	28	2	142	182	139	802	282	062	141	975

in
Bar. 29°89.

Ther. 59°8.

Run + 2°7.

 α ϵ Indi.

1881, December 18.

 β

h	m	r	r	R	h	m	r	r	R	
2	17	9	103	759	101	392	205	280	165	808
2	51	2	101	394	103	766	205	321	84	025

in
Bar. 30°23.

Ther. 59°0.

Run + 5°3.

 α α_2 Centauri.

1881, December 18.

 α

h	m	r	r	R	h	m	r	r	R		
8	28	4	150	172	147	742	298	023	8	38	0
9	0	5	147	762	150	170	298	049	8	48	8
9	9	6	150	176	147	750	298	045	9	20	1
9	39	9	147	747	150	171	298	041	9	30	3

in
Bar. 30°15.

Ther. 57°6.

Run + 1°1.

 β

Sirius.

1881, December 23.

 α

h	m	r	r	R	h	m	r	r	R		
3	33	7	144	404	141	913	286	404	3	43	2
4	0	9	141	941	144	426	286	451	3	52	8

in
Bar. 30°14.

Ther. 64°0.

Run + 2°0.

Images 2.

 β

Steadiness 2.

 ϵ Indi.

1881, December 24.

 α

h	m	r	r	R	h	m	r	r	R		
2	30	7	84	002	81	607	165	815	2	40	5
3	5	9	81	603	84	058	165	802	2	54	9
3	14	5	84	036	81	639	165	823	3	26	6
3	46	4	81	573	84	050	165	802	3	36	1

in
Bar. 30°04.

Ther. 64°5.

Run + 3°7.

 β

ε Indi.

1881, December 25.

β

h	m	r	r	R	h	m	r	r	R
2 50' 4	101° 316	103° 774		205° 247	2 58' 3	84° 072	81° 596		165° 804
3 14' 0	103° 798	101° 319		205° 302	3 6' 5	81° 615	84° 066		165° 824
3 21' 1	101° 306	103° 796		205° 304	3 30' 3	84° 074	81° 572		165° 810
3 50' 9	103° 745	101° 289		205° 274	3 42' 9	81° 564	84° 037		165° 778

in Bar. 30° 12.

Ther. 59° 0.

Run + 3° 9.

α₂ Centauri.

1881, December 25.

β

h	m	r	r	R	h	m	r	r	R
8 43' 4	120° 168	117° 705		237° 963	8 54' 2	147° 726	150° 188		298° 029
9 22' 7	117° 689	120° 194		237° 981	9 13' 9	150° 182	147° 706		298° 007
9 31' 1	120° 170	117° 710		237° 979	9 40' 9	147° 727	150° 196		298° 045
9 59' 1	117° 797	120° 179		237° 987	9 50' 6	150° 173	147° 715		298° 011

in Bar. 30° 06.

Ther. 59° 5.

Run + 1° 5.

α₂ Centauri.

1881, December 26.

α

h	m	r	r	R	h	m	r	r	R
9 11' 0	147° 749	150° 180		298° 047	9 21' 3	120° 182	117° 719		237° 999
9 41' 8	150° 173	147° 735		298° 031	9 31' 7	117° 706	120° 181		237° 986
9 54' 3	147° 717	150° 170		298° 011	10 7' 3	120° 187	117° 706		237° 994
10 27' 0	150° 204	147° 711		298° 040	10 17' 6	117° 713	120° 179		237° 993

in Bar. 30° 00.

Ther. 57° 0.

Run + 0° 4.

ε Indi.

1881, December 27.

α

h	m	r	r	R	h	m	r	r	R
2 53' 7	84° 069	81° 619		165° 820	3 2' 3	101° 325	103° 760		205° 255
3 25' 3	81° 602	84° 013		165° 774	3 12' 9	103° 768	101° 298		205° 249
3 37' 4	84° 052	81° 570		165° 792	3 49' 6	101° 274	103° 730		205° 243
4 8' 8	81° 530	84° 021		165° 758	3 58' 6	103° 758	101° 314		205° 327

in Bar. 30° 17.

Ther. 63° 7.

Run + 2° 0.

Sirius.

1881, December 29.

β

h	m	r	r	R	h	m	r	r	R
3 43' 8	142° 214	139° 774		282° 064	3 52' 0	141° 933	144° 360		286° 377
4 18' 3	139° 761	142° 199		282° 037	4 6' 3	144° 364	141° 942		286° 388
4 28' 6	142° 221	139° 770		282° 069	4 38' 1	141° 917	144° 402		286° 399
5 4' 9	139° 794	142° 205		282° 077	4 51' 0	144° 375	141° 951		286° 406

in Bar. 30° 14.

Ther. 66° 3.

Run + 1° 3.

α_2 Eridani.

1882, January 4.

 α β

h	m	r	r	R	h	m	r	r	R
5 46.3	244.802	242.379	487.316		6 3.3	251.314	253.744	505.198	
6 29.4	242.374	244.780	487.288		6 19.4	253.774	251.332	505.245	
6 39.4	244.817	242.377	487.328		6 53.8	251.310	253.752	505.201	
7 16.0	242.371	244.779	487.285		7 5.5	253.758	251.354	505.251	

in Bar. 30°.08.

Ther. 63°.3.

Run + 2.8.

Sirius.

1882, January 7.

 α β

h	m	r	r	R	h	m	r	r	R
3 28.5	141.944	144.363	286.394		3 36.9	142.190	139.787	282.058	
3 56.1	144.377	141.956	286.417		3 45.7	139.773	142.190	282.042	
4 3.0	141.943	144.365	286.391		4 13.1	142.209	139.751	282.038	
4 34.5	144.373	141.945	286.399		4 23.1	139.780	142.205	282.063	

in Bar. 30°.17.

Ther. 60°.8.

Run + 1.2.

 α_2 Eridani.

1882, January 7.

 β α

h	m	r	r	R	h	m	r	r	R
6 53.4	251.324	253.739	505.204		7 5.0	244.802	242.358	487.295	
7 29.8	253.752	251.211	505.106		7 17.5	242.377	244.785	487.298	
7 39.1	251.204	253.853	505.201		7 52.9	244.892	242.290	487.324	
8 19.4	253.867	251.192	505.211		8 7.8	242.260	244.906	487.311	

in Bar. 30°.15.

Ther. 60°.0.

Run + 3.2.

 α_2 Centauri.

1882, January 7.

 β α

h	m	r	r	R	h	m	r	r	R
8 38.5	120.280	117.621	237.990		8 46.4	147.628	150.265	298.006	
9 2.8	117.624	120.241	237.960		8 55.0	150.264	147.637	298.016	
9 9.5	120.249	117.638	237.983		9 18.6	147.635	150.237	298.012	
9 36.2	117.625	120.254	237.978		9 27.7	150.293	147.631	298.045	

in Bar. 30°.11.

Ther. 60°.0.

Run + 1.6.

 ϵ Indi.

1882, January 8.

 β α

h	m	r	r	R	h	m	r	r	R
3 31.0	101.226	103.846	205.279		3 39.0	84.133	81.509	165.814	
3 59.4	103.787	101.219	205.259		3 49.1	81.494	84.092	165.769	
4 6.7	101.206	103.777	205.254		4 18.1	84.097	81.482	165.798	
4 36.0	103.762	101.150	205.255		4 26.5	81.505	84.094	165.830	

in Bar. 29°.96.

Ther. 61°.8.

Run + 3.1.

Sirius.

1882, January 10.

 β

h	m	r	r	R	h	m	r	r	R
3	22.6	142.272	139.705	282.056	3	31.0	141.854	144.415	286.356
3	45.4	139.704	142.253	282.036	3	38.6	144.431	141.871	286.388
3	52.2	142.256	139.707	282.042	4	3.1	141.881	144.427	286.392
4	20.2	139.696	142.252	282.026	4	12.3	144.439	141.862	286.384

in
Bar. 30° 23.

Ther. 61° 0.

Run + 3° 1.

 α α_2 Eridani.

1882, January 10.

 α

h	m	r	r	R	h	m	r	r	R
6	37.2	242.292	244.821	487.249	6	45.1	253.807	251.245	505.193
7	2.8	244.855	242.262	487.253	6	53.0	251.251	253.792	505.184
7	11.3	242.285	244.826	487.247	7	19.9	253.798	251.237	505.177
7	44.9	244.819	242.307	487.266	7	29.6	251.246	253.801	505.188

in
Bar. 30° 22.

Ther. 60° 5.

Run + 2° 9.

 β ϵ Indi.

1882, January 11.

 α

h	m	r	r	R	h	m	r	r	R
3	48.5	81.584	84.067	165.833	3	56.7	103.770	101.269	205.289
4	21.1	84.043	81.533	165.800	4	10.6	101.210	103.705	205.195
4	30.3	81.588	84.041	165.867	4	22.2	103.735	101.220	205.317
5	1.2	84.011	81.486	165.790	4	52.7	101.167	103.686	205.242

in
Bar. 30° 13.

Ther. 63° 3.

Run + 3° 1.

 β α^2 Centauri.

1882, January 11.

 α

h	m	r	r	R	h	m	r	r	R
9	54.4	150.188	147.680	297.990	10	4.0	117.684	120.176	237.960
10	20.6	147.670	150.199	297.992	10	13.1	120.194	117.666	237.960
10	28.7	150.219	147.676	298.018	10	37.2	117.660	120.177	237.938
10	56.7	147.669	150.185	297.976	10	48.4	120.187	117.689	237.976

in
Bar. 30° 04.

Ther. 63° 0.

Run + 1° 5.

 β Centauri.

1882, January 11.

 γ

h	m	r	r	R
11	9.5	38.186	35.678	73.897
11	19.3	35.688	38.189	73.908

in
Bar. 30° 03.

Ther. 62° 5.

Run + 1° 3.

α_2 Centauri.

1882, January 13.

 α

h	m	r	r	R	h	m	r	r	R
10	9.7	234.665	232.170	467.144	10	23.7	210.889	213.384	424.536
10	48.7	232.224	234.687	467.153	10	36.2	213.407	210.890	424.543
10	57.5	234.714	232.225	467.172	11	9.5	210.910	213.389	424.508
11	32.6	232.197	234.691	467.088	11	22.0	213.416	210.927	424.541

in
Bar. 30° 12.

Ther. 60° 5.

 β

Run + 2° 1.

 α_2 Centauri.

1882, January 18.

 β

h	m	r	r	R	h	m	r	r	R
10	16.1	117.691	120.159	237.951	10	26.7	150.201	147.706	298.031
10	45.3	120.161	117.700	237.963	10	36.8	147.702	150.193	298.019
10	53.1	117.717	120.168	237.986	11	2.7	150.184	147.716	298.023
11	20.8	120.188	117.709	237.997	11	13.6	147.703	150.182	298.008

in
Bar. 30° 10.

Ther. 62° 0.

 α

Run + 2° 5.

 β Centauri.

1882, January 18.

 γ

h	m	r	r	R
11	31.1	35.714	38.179	73.923
11	41.8	38.186	35.702	73.917

Sirius.

1882, January 19.

 α

h	m	r	r	R	h	m	r	r	R
4	0.8	144.376	141.938	286.398	4	10.5	139.783	142.229	282.089
4	32.1	141.934	144.400	286.414	4	21.0	142.250	139.766	282.093
4	39.4	144.414	141.931	286.425	4	47.5	139.755	142.226	282.059
5	6.1	141.942	144.398	286.419	4	56.3	142.224	139.773	282.075

in
Bar. 30° 17.

Ther. 63° 3.

 β

Run + 2° 1.

 α Centauri.

1882, January 19.

 β

h	m	r	r	R	h	m	r	r	R
10	26.1	210.948	213.378	424.583	10	40.3	234.639	232.257	467.197
11	8.1	213.383	210.994	424.587	10	56.4	232.274	234.671	467.178
11	17.7	210.974	213.402	424.576	11	29.8	234.712	232.264	467.178
11	58.7	213.431	210.990	424.589	11	42.5	232.311	234.693	467.195

in
Bar. 30° 10.

Ther. 62° 0.

 α

α_2 Eridani.

1882, January 23.

 β

h	m	r	r	h	m	r	r	R
5 52.6		253.792	251.326	505.261		6 4.9	242.342	244.797
6 25.2		251.337	253.782	505.257		6 14.7	244.803	242.359
6 35.4		253.795	251.338	505.271		6 47.1	242.360	244.795
7 6.5		251.338	253.792	505.267		6 55.5	244.808	242.361

in
Bar. 29.97.

Ther. 64°.5.

 α α_2 Eridani.

1882, January 24.

 α

h	m	r	r	h	m	r	r	R
6 10.9		242.356	244.821	487.310		6 21.8	253.789	251.328
6 55.7		244.825	242.352	487.310		6 39.3	251.379	253.778
7 6.5		242.367	244.806	487.307				505.255

in
Bar. 30.00.

Ther. 60°.5.

 β

Run + 3.6.

 α_2 Centauri.

1882, January 28.

 α

h	m	r	r	h	m	r	r	R
8 12.0		147.781	150.227	298.109		8 26.3	120.213	117.709
8 52.1		150.185	147.775	298.072		8 41.8	117.758	120.138
9 2.4		147.705	150.170	298.049		9 15.0	120.142	117.745
9 35.3		150.173	147.728	298.020		9 26.8	117.747	120.153

in
Bar. 29.91.

Ther. 69°.0.

Run + 2.0.

 δ Centauri.

1882, January 28.

 γ

h	m	r	r	h	m	r	R
9 47.5		35.730	38.140			73.911	
9 57.8		38.145	35.746			73.931	

in

Bar. 29.88.

Ther. 67°.0.

Run + 2.8.

 α_2 Eridani.

1882, February 3.

 β

h	m	r	r	h	m	r	r	R
6 7.8		253.775	251.335	505.248		6 20.9	242.358	244.791
6 49.7		251.342	253.809	505.289		6 31.3	244.814	242.378

in
Bar. 29.90.

Ther. 65°.3.

Run + 3.4.

 α

α_2 Eridani.										1882, February 6.				
α					β									
h	m	r	r		h	m	r	r		h	m	r	r	
6	18.1	244.794	242.340	487.267	6	27.8	251.339	253.769	505.246	6	54.6	242.349	244.776	487.258
7	2.6	244.791	242.338	487.262	7	11.9	253.798	251.335	505.271	7	35.6	242.332	244.783	487.250
in					in					in				
Bar. 30°08.					Bar. 30°08.					Bar. 30°08.				
Ther. 68°0.					Ther. 68°0.					Ther. 68°0.				
Run + 4°3.					Run + 4°3.					Run + 4°3.				
α_2 Centauri.										1882, February 8.				
α					β									
h	m	r	r		h	m	r	r		h	m	r	r	
10	30.8	232.248	234.693	467.201	10	41.7	213.381	210.976	424.594	11	5.4	234.692	232.262	467.176
11	14.5	232.282	234.678	467.174	11	27.7	213.419	210.989	424.599	11	50.4	234.703	232.316	467.204
in					in					in				
Bar. 30°08.					Bar. 30°08.					Bar. 30°08.				
Ther. 65°0.					Ther. 65°0.					Ther. 65°0.				
Run + 3°1.					Run + 3°1.					Run + 3°1.				
α_2 Centauri.										1882, February 9.				
β					α									
h	m	r	r		h	m	r	r		h	m	r	r	
12	3.9	117.722	120.157	237.973	12	14.5	150.176	147.742	298.032	12	40.1	120.173	117.731	237.994
12	50.0	117.731	120.179	237.999	13	4.6	150.156	147.750	298.013	13	31.4	120.164	117.745	237.992
in					in					in				
Bar. 30°01.					Bar. 30°01.					Bar. 30°01.				
Ther. 68°8.					Ther. 68°8.					Ther. 68°8.				
Run + 1°6.					Run + 1°6.					Run + 1°6.				
β Centauri.										1882, February 10.				
*														
h	m	r	r		h	m	r	r		h	m	r	r	
7	22.0	38.130	35.746		7	93.0				7	33.7	35.698	38.141	73.892
in					in					in				
Bar. 29°96.					Bar. 29°96.					Bar. 29°96.				
Ther. 68°5.					Ther. 68°5.					Ther. 68°5.				
Run + 0°9.					Run + 0°9.					Run + 0°9.				
α_2 Centauri.										1882, February 10.				
α					β									
h	m	r	r		h	m	r	r		h	m	r	r	
8	33.5	150.144	147.744	297.996	8	46.1	117.709	120.112	237.911	9	8.3	147.764	150.163	298.044
9	14.8	150.193	147.744	298.055	9	23.1	117.750	120.176	238.023	9	43.9	147.747	150.165	298.034
in					in					in				
Bar. 29°95.					Bar. 29°95.					Bar. 29°95.				
Ther. 63°0.					Ther. 63°0.					Ther. 63°0.				
Run + 0°8.					Run + 0°8.					Run + 0°8.				

β Centauri.

1882, February 13.

*

h	m	r	r	r
7	59.9	38.160	35.716	73.927
8	12.0	35.735	38.132	73.916

in
Bar. 30°01.

Ther. 70°5.

Run + 6°1.

 α_2 Centauri.

1882, February 13.

 β α

h	m	r	r	r	h	m	r	r	r
8	24.9	120.154	117.737	237.975	8	34.0	147.749	150.164	298.020
8	53.1	117.722	120.168	237.980	8	44.4	150.175	147.736	298.021
9	3.0	120.163	117.726	237.982	9	11.0	147.741	150.156	298.012
9	31.4	117.727	120.153	237.977	9	20.8	150.170	147.742	298.030

in
Bar. 30°00.

Ther. 69°5.

Run + 2°1.

 α_2 Centauri.

1882, February 13.

 β α

h	m	r	r	r	h	m	r	r	r
10	5.5	213.363	210.937	424.579	10	20.7	232.231	234.619	467.118
10	47.0	210.981	213.396	424.604	10	33.4	234.679	232.254	467.186
10	59.7	213.415	210.977	424.606	11	14.6	232.293	234.679	467.183
11	42.8	211.025	213.420	424.621	11	27.2	234.658	232.255	467.113

in
Bar. 29°97.

Ther. 70°5.

Run + 0°7.

 α_2 Eridani.

1882, February 14.

 β α

h	m	r	r	r	h	m	r	r	r
5	59.4	251.344	253.761	505.244	6	9.6	244.791	242.366	487.290
6	32.1	253.763	251.344	505.245	6	20.5	242.352	244.760	487.245
6	39.1	251.338	253.776	505.252	6	47.2	244.791	242.351	487.275
7	9.5	253.784	251.351	505.273	6	57.8	242.353	244.762	487.248

in
Bar. 29°98.

Ther. 67°0.

Run + 3°6.

 α_2 Centauri.

1882, February 15.

 α β

h	m	r	r	r	h	m	r	r	r
8	5.3	232.113	234.491	466.994	8	30.3	213.258	210.873	424.598
8	56.0	234.603	232.222	467.232	8	44.2	210.876	213.289	424.599
9	6.5	232.196	234.618	467.202	9	17.6	213.322	210.919	424.605
9	48.2	234.661	232.225	467.203	9	35.5	210.897	213.318	424.546

in
Bar. 30°02.

Ther. 64°3.

Run + 1°4.

Sirius.

1882, February 16.

 β

h	m	r	r	R	h	m	r	r	R
8	31.2	139.783	142.227	282.112	8	40.0	144.363	141.940	286.415
9	0.9	142.211	139.744	282.099	8	49.8	141.917	144.355	286.388
9	9.7	139.790	142.205	282.113	9	21.9	144.361	141.911	286.412
9	50.0	142.212	139.788	282.146	9	34.6	141.899	144.347	286.396

in
Bar. 30°.23.

Ther. 61°.5.

Run + 3°.0.

 α α_2 Centauri.

1882, February 16.

 β

h	m	r	r	R	h	m	r	r	R
10	13.3	213.362	210.944	424.583	10	27.3	232.246	234.660	467.177
10	43.1	210.985	213.397	424.620	10	34.3	234.676	232.251	467.186
10	49.9	213.414	210.966	424.611	11	1.9	232.262	234.665	467.146
11	21.4	210.991	213.396	424.587	11	12.8	234.690	232.262	467.170

in
Bar. 30°.22.

Ther. 60°.0.

Run + 1°.9.

 α β Centauri.

1882, February 22.

*

h	m	r	r	R
8	23.2	38.142	35.720	73.911
8	33.9	35.732	38.128	73.908

in
Bar. 30°.04.

Ther. 54°.5.

Run + 1°.6.

 α α_2 Centauri.

1882, February 22.

 β

h	m	r	r	R	h	m	r	r	R
8	45.4	150.147	147.739	298.000	8	55.1	117.731	120.166	237.991
9	25.9	147.740	150.189	298.052	9	8.1	120.153	117.725	237.975
9	37.2	150.194	147.731	298.049	9	46.1	117.718	120.159	237.979
10	19.2	147.723	150.162	298.011	10	6.7	120.170	117.748	238.021

in
Bar. 30°.07.

Ther. 52°.0.

Run + 2°.4.

 β α_2 Centauri.

1882, February 22.

 α

h	m	r	r	R	h	m	r	r	R
11	6.0	213.417	210.985	424.618	11	15.5	232.267	234.659	467.144
11	41.0	210.990	213.904	424.580	11	31.9	234.688	232.262	467.154
11	48.3	213.437	210.998	424.614	12	1.3	232.274	234.681	467.136
12	28.9	210.994	213.424	424.571	12	13.6	234.699	232.297	467.170

in
Bar. 30°.05.

Ther. 51°.5.

α_2 Centauri.						1882, February 23.					
β						α					
h	m	r	h	m	r	h	m	r	h	m	r
8 36 8	120 163	117 731	237 982	8 51 3	147 741	150 162	298 015				
9 25 0	117 729	120 128	237 954	9 6 8	150 171	147 754	298 041				
9 39 6	120 148	117 738	237 984	9 55 9	147 721	150 159	298 002				
10 22 9	117 712	120 140	237 953	10 8 0	150 162	147 711	297 995				
in Bar. 30°04.						Ther. 65°0.					
						Run + 0.9.					
<hr/>						<hr/>					
β Centauri.						1882, February 23.					
*											
h	m	r	h	m	r	h	m	r	h	m	r
10 37 9	38 147	35 731	73 914								
10 46 1	35 730	38 143	73 908								
in Bar. 30°00.						Ther. 66°0.					
						Run + 3.8.					
<hr/>						<hr/>					
α						Sirius.					
β						1882, February 24.					
h	m	r	h	m	r	h	m	r	h	m	r
9 0 1	144 356	141 923	286 402	9 8 7	139 780	142 203	282 101				
9 32 1	141 919	144 348	286 416	9 21 1	142 193	139 705	282 082				
9 40 6	144 352	141 905	286 413	9 49 6	139 758	142 192	282 096				
10 11 6	141 887	144 318	286 400	10 0 1	142 198	139 756	282 110				
in Bar. 30°20.						Ther. 58°5.					
						Run + 4.0.					
<hr/>						<hr/>					
α						Sirius.					
β						1882, February 27.					
h	m	r	h	m	r	h	m	r	h	m	r
9 0 7	141 908	144 367	286 396	9 13 2	142 206	139 765	282 089				
9 36 5	144 313	141 915	286 376	9 24 6	139 745	142 217	282 086				
in Bar. 30°02.						Ther. 64°3.					
						Run + 3.5.					
<hr/>						<hr/>					
α_2 Centauri.						Sirius.					
β_1						1882, March 2.					
h	m	r	h	m	r	h	m	r	h	m	r
10 54 7	234 669	232 289	467 120	11 23 4	210 970	213 441	424 605				
12 0 6	232 242	234 710	467 129	11 51 2	213 439	210 993	424 604				
12 9 0	234 715	232 241	467 127	12 20 4	210 987	213 422	424 562				
13 2 9	232 263	234 707	467 114	12 32 9	213 453	210 988	424 588				
in Bar. 29°91.						Ther. 64°0.					
						Run + 3.2.					

α_2 Centauri.

1882, March 4.

 β^1

10	54° 6'	210° 968	213° 386	424° 574	11	4° 8'	234° 659	232° 221
11	30° 3'	213° 424	210° 981	424° 596	11	18° 4'	232° 235	234° 671
11	39° 0'	211° 003	213° 408	424° 595	11	48° 2'	234° 673	232° 254
12	13° 0'	213° 433	210° 983	424° 576	11	58° 9'	232° 259	234° 676

in
Bar. 30° 10. Ther. 59° 3. Run + 3° 7. Images 2. Steadiness 2. α_2 Centauri.

1882, March 4.

 α

12	34° 9'	147° 711	150° 171	297° 998	12	44° 8'	120° 180	117° 724
13	4° 6'	150° 146	147° 736	297° 992	12	54° 4'	117° 735	120° 166
13	13° 5'	147° 717	150° 178	298° 005	13	21° 9'	120° 167	117° 725
13	45° 5'	150° 170	147° 727	298° 001	13	34° 1'	117° 736	120° 170

in
Bar. 30° 08. Ther. 55° 0. Run + 1° 8. Images 1-2. Steadiness 2-3. β Centauri.

1882, March 5.

*

8	13° 4'	38° 139	35° 726
8	22° 0'	35° 717	38° 155

in
Bar. 30° 14. Ther. 65° 0. Run + 2° 2. Images 2. Steadiness 2. α_2 Centauri.

1882, March 5.

 β

8	31° 6'	120° 172	117° 715	237° 974	8	41° 1'	147° 725	150° 164
9	1° 0'	117° 734	120° 151	237° 979	8	51° 5'	150° 162	147° 725
9	9° 5'	120° 152	117° 716	237° 963	9	19° 2'	147° 722	150° 173
9	42° 7'	117° 716	120° 153	237° 968	9	32° 1'	150° 183	147° 710

in
Bar. (30° 14). Ther. (65° 0). Run + 2° 4. Images 2. Steadiness 2.

Sirius.

1882, March 5.

 β

9	58° 4'	139° 744	142° 212	282° 108	10	6° 5'	144° 341	141° 883
10	23° 7'	142° 177	139° 723	282° 083	10	15° 3'	141° 873	144° 336
10	31° 4'	139° 712	142° 160	282° 068	10	40° 9'	144° 300	141° 861
10	57° 2'	142° 143	139° 697	282° 095	10	48° 5'	141° 851	144° 284

in
Bar. 30° 14. Ther. 65° 0. Run + 3° 6. Images 2-3. Steadiness 2-3.

α_2 Centauri.

1882, March 6.

 α β

h	m	r	r	B	h	m	r	r	B
10	49.6	150.171	147.715	298.011	10	57.1	117.733	120.153	237.988
11	16.5	147.721	150.149	297.994	11	7.1	120.141	117.716	237.959
11	26.0	150.170	147.714	298.006	11	35.1	117.722	120.164	237.986
12	1.7	147.745	150.165	298.029	11	50.0	120.170	117.745	238.013

Ther. 56°.0.

Run + 1°.4.

Images 1-2.

Steadiness 2-3.

 β Centauri.

1882, March 6.

*

h	m	r	r	B
12	14.3	38.151	35.722	73.900
12	27.9	35.707	38.160	73.894

Bar. 30°.15.

Ther. 55°.0.

Run + 2°.5.

Images 1-2.

Steadiness 1-2.

 β Centauri.

1882, March 9.

*

h	m	r	r	B
8	32.5	38.152	35.696	73.896
8	45.2	35.704	38.147	73.899

Bar. 30°.21.

Ther. 61°.0.

Run + 0°.3.

Images 2.

Steadiness 2.

 α_2 Centauri.

1882, March 9.

 β α

h	m	r	r	B	h	m	r	r	B
9	1.1	120.172	118.211		9	8.7	147.700	150.166	297.984
9	32.0	117.701	120.150	237.950	9	19.3	150.159	147.724	298.003
9	49.0	120.178	117.729	238.008	9	59.2	147.718	150.158	297.999
10	19.3	117.687	120.151	237.940	10	9.8	150.159	147.703	297.985

in

Bar. 30°.20.

Ther. 62°.0.

Run + 1°.4.

Images 2-3.

Steadiness 2.

 ϵ Indi.

1882, March 9.

 α β

h	m	r	r	B	h	m	r	r	B
14	42.1	83.992	81.566	165.851	14	58.0	101.208	103.682	205.151
15	23.3	81.570	84.058	165.850	15	10.6	103.706	101.209	205.159
15	35.0	84.057	81.578	165.840	15	48.2	101.232	103.721	205.159
16	17.7	81.624	84.097	165.880	16	3.5	103.731	101.266	205.189

in

Bar. 30°.15.

Ther. 61°.5.

Run + 3°.3.

Images 3-4.

Steadiness 3-4.

Sirius.

1882, March 10:

α				β			
h 8 47' 2	m	r 141° 919	r 144° 357	286° 384	h 8 59' 1	r 142° 226	r 139° 752
9 21' 3		144° 342	141° 923	286° 400	9 9' 5	139° 739	142° 203
9 29' 7		141° 920	144° 354	286° 416	9 39' 8	142° 214	139° 735
10 0' 6		144° 315	141° 954	286° 446	9 49' 2	139° 746	142° 211

in Bar. 30° 06.

Ther. 67° 0.

Run + 2° 3.

Images 3.

Steadiness 3.

 α_2 Centauri.

1882, March 10.

α				β			
h 11° 20' 6	m	r 147° 723	r 150° 153	297° 997	h 11 28' 9	r 120° 179	r 117° 724
11 46' 1		150° 163	147° 714	297° 994	11 37' 8	117° 731	120° 176
11 56' 7		147° 729	150° 165	298° 010	12 7' 4	120° 174	117° 722
12 27' 8		150° 163	147° 717	297° 993	12 19' 5	117° 736	120° 176

in Bar. 30° 02.

Ther. 65° 5.

Run + 1° 6.

Images 2.

Steadiness 2-3.

 β Centauri.

1882, March 11.

α			
h 8 49' 9	m	r 35° 713	r 38° 147
9 2' 6		38° 158	35° 699

in Bar. 29° 97.

Ther. 63° 0.

Run + 1° 3.

Images 2-3.

Steadiness 3.

 α_2 Centauri.

1882, March 11.

β				α			
h 9 17' 1	m	r 120° 154	r 117° 726	237° 977	h 9 28' 4	r 147° 719	r 150° 150
9 55' 2		117° 703	120° 136	237° 941	9 41' 8	150° 176	147° 724
10 10' 9		120° 152	117° 703	237° 957	10 27' 7	147° 718	150° 198

in Bar. 30° 03.

Ther. 56° 0.

Run + 1° 8.

Images 2.

Steadiness 4.

 ϵ Indi.

1882, March 12.

β				α			
h 15 3' 8	m	r 101° 220	r 103° 641	205° 111	h 15 17' 3	r 84° 036	r 81° 592
15 40' 2		103° 701	101° 241	205° 155	15 27' 1	81° 621	84° 020
15 51' 6		101° 235	103° 738	205° 175	16 0' 5	84° 090	81° 652
16 16' 0		103° 724	101° 291	205° 195	16 8' 3	81° 639	84° 091

in Bar. 30° 16.

Ther. 63° 75.

Run + 4° 0.

Images 3.

Steadiness 3.

α Indi.

1882, March 13.

α

β

h	m	r	r	h	m	r	r	h
14	54.4	81.618	84.006	165	893	103	678	101
15	32.8	84.067	81.603	165	879	101	241	258
15	40.3	81.637	84.039	165	875	103	694	101
16	10.4	84.076	81.644	165	887	101	242	273

in Bar. 30° 10. Ther. 59°. Run + 2° 8. Images 2. Steadiness 2-3.

β Centauri.

1882, March 14.

*

h	m	r	r	h
8	17.9	35	691	73
8	27.8	38	167	902

in Bar. 30° 14. Ther. 62°. Run + 0° 4. Images 2. Steadiness 2-3.

α₂ Centauri.

1882, March 14.

α

β

h	m	r	r	h	m	r	r	h
8	39.6	147	691	150	184	297	986	8
9	13.0	150	178	147	703	297	999	52.5
9	23.4	147	712	150	183	298	014	120
9	51.0	150	196	147	687	298	006	17

in Bar. (30° 14). Ther. (63° 5). Run + 0° 1. Images 2. Steadiness 2-3.

β Centauri.

1882, March 14.

*

h	m	r	r	h
10	2.5	38	175	73
10	11.7	35	695	918

in Bar. 30° 13. Ther. 65°. Run + 1° 5. Images 1. Steadiness 1-2.

Sirius.

1882, March 15.

β

α

h	m	r	r	h	m	r	r	h
9	49.7	142	189	139	739	282	072	9
10	23.3	139	727	142	172	282	082	59.9
10	35.7	142	166	139	708	282	074	11.1
11	8.7	139	688	142	109	282	090	46.2

in Bar. 30° 10. Ther. 64°. Run + 1° 0. Images 1-2. Steadiness 2-3.

α_2 Centauri.

1882, March 15.

 β

h	m	r	r	R	h	m	r	r	R
11	34.8	117.739	120.160	237.997	11	43.3	150.131	147.723	297.972
12	2.1	120.103	117.716	237.974	11	55.3	147.714	150.164	297.995
12	10.5	117.717	120.164	237.975	12	20.1	150.154	147.718	297.987
12	38.8	120.164	117.735	237.990	12	29.4	147.702	150.149	297.965

in Bar. 30° 07. Ther. 61° 5. Run + 1° 1. Images 1-2. Steadiness 2-3.

 α α_2 Centauri.

1882, March 17.

 β

h	m	r	r	R	h	m	r	r	R
16	8.5	150.149	147.735	297.968	16	18.6	117.757	120.174	237.997
16	39.8	147.737	150.175	297.995	16	30.6	120.176	117.756	237.998
16	46.5	150.163	147.731	297.977	16	54.7	117.745	120.180	237.992
17	11.5	147.757	150.148	297.989	17	2.6	120.154	117.766	237.987

in Bar. 30° 17. Ther. 59° 3. Run + 0° 6. Images 1-2. Steadiness 2.

 α

Sirius.

1882, March 18.

 β

h	m	r	r	R	h	m	r	r	R
8	57.5	141.917	144.345	286.382	9	8.5	142.175	139.757	282.048
9	30.5	144.313	141.913	286.371	9	19.8	139.750	142.196	282.067
9	38.6	141.927	144.336	286.414	9	50.3	142.171	139.748	282.064
10	17.8	144.311	141.909	286.425	9	59.4	139.749	142.169	282.071

in Bar. 30° 11. Ther. 64° 3. Run + 1° 3. Images 3. Steadiness 3.

 α

Sirius.

1882, March 20.

 β

h	m	r	r	R	h	m	r	r	R
8	28.9	141.927	144.339	286.372	8	38.4	142.194	139.796	282.094
8	56.8	144.369	141.917	286.405	8	47.8	139.786	142.194	282.088
9	6.6	141.932	144.343	286.401	9	17.0	142.192	139.783	282.095
9	40.1	144.330	141.905	286.388	9	28.5	139.776	142.169	282.073

in Bar. 30° 15 Ther. 63° 8. Run + 0° 2. Images 2. Steadiness 2.

 β ϵ Indi.

1882, March 20.

 α

h	m	r	r	R	h	m	r	r	R
15	41.7	103.665	101.292	205.169	15	55.7	81.638	84.056	165.895
16	18.2	101.292	103.679	205.150	16	7.0	84.045	81.660	165.875
16	30.4	103.704	101.304	205.179	16	40.7	81.667	84.059	165.863
17	0.3	101.323	103.720	205.191	16	50.0	84.065	81.683	165.877

in Bar. 30° 14 Ther. 62° 3. Run + 2° 3. Images 2. Steadiness 2-3.

α_2 Centauri.

1882, March 21.

 α

h	m	r	r	B	h	m	r	r	B
8	23'7	150°157	147°730	297°993	8	39'6	117°725	120°146	237°960
9	4'8	147°743	150°145	298°004	8	53'0	120°146	117°741	237°979
9	12'7	150°151	147°727	297°997	9	23'1	117°741	120°083	237°921
9	50'4	147°728	150°139	297°991	9	41'2	120°171	117°734	238°005

in Bar. 30°22. Ther. 64°3. Run + 0°6. Images 3. Steadiness 3-4.

 α_2 Centauri.

1882, March 23.

 β

h	m	r	r	B	h	m	r	r	B
8	29'7	117°733	120°138	237°957	8	41'1	150°114	147°747	297°971
9	1'3	120°134	117°732	237°959	8	52'8	147°731	150°146	297°990
9	10'2	117°730	120°141	237°965	9	22'5	150°147	147°731	297°996
9	51'5	120°134	117°759	237°992	9	37'5	147°744	150°139	298°003

in Bar. 30°03. Ther. 67°5. Run + 0°5. Images 2-3. Steadiness 3.

 β Centauri.

1882, March 23.

*

h	m	r	r	B
10	3'5	35°730	38°132	73°901
10	12'8	38°130	35°728	73°896

in Bar. 30°00. Ther. 64°0. Run + 1°3. Images 2. Steadiness 2.

 ϵ Indi.

1882, March 23.

 α

h	m	r	r	B	h	m	r	r	B
15	55'5	84°021	81°673	165°873	16	8'8	101°301	103°673	205°161
16	33'5	81°671	84°059	165°875	16	23'1	103°678	101°330	205°183
16	42'4	84°071	81°695	165°904	16	52'7	101°314	103°714	205°181
17	15'7	81°703	84°080	165°898	17	3'6	103°687	101°288	205°122

in Bar. 29°89. Ther. 57°3. Run + 2°0. Images 2-3. Steadiness 2-3.

Sirius.

1882, March 24.

 α

h	m	r	r	B	h	m	r	r	B
8	27'9	144°326	141°957	286°388	8	38'3	139°794	142°193	282°090
8	58'4	141°940	144°338	286°397	8	48'9	142°190	139°795	282°091
9	13'1	144°352	141°931	286°413	9	23'7	139°793	142°189	282°106
9	50'3	141°918	144°319	286°399	9	32'2	142°188	139°783	282°100

in Bar. 39°86. Ther. 64°0. Run + 2°7. Images 2. Steadiness 2.

ϵ Indi.

1882, March 30.

 β

h	m	r	r	R	h	m	r	r	R
16	31 ^o 0	101 ^r 348	103 ^r 636	205 ^R 156	16	40 ^o 5	84 ^r 019	81 ^r 722	165 ^R 882
16	57 ^o 2	103 ^r 051	101 ^r 342	205 ^R 146	16	48 ^o 8	81 ^r 728	84 ^r 029	165 ^R 881
17	5 ^o 5	101 ^r 349	103 ^r 646	205 ^R 140	17	17 ^o 1	84 ^r 018	81 ^r 737	165 ^R 870

in Bar. 30^o07. Ther. 54^o8. Run + 2^o9, Images 1-2. Steadiness 1-2. α_2 Centauri.

1882, March 31.

 α

h	m	r	r	R	h	m	r	r	R
8	20 ^o 2	147 ^r 769	150 ^r 109	297 ^R 982	8	27 ^o 6	120 ^r 114	117 ^r 802	238 ^R 002
8	49 ^o 6	150 ^r 077	147 ^r 784	297 ^R 974	8	39 ^o 3	117 ^r 812	120 ^r 090	237 ^R 990
8	56 ^o 5	147 ^r 776	150 ^r 085	297 ^R 975	9	5 ^o 2	120 ^r 106	117 ^r 802	238 ^R 002
9	25 ^o 1	150 ^r 102	147 ^r 771	297 ^R 993	9	14 ^o 8	117 ^r 786	120 ^r 095	237 ^R 977

in Bar. 30^o07. Ther. 65^o0. Run + 0^o4. Images 1-2. Steadiness 2. β Centauri.

1882, March 31.

*

h	m	r	r	R
9	39 ^o 3	35 ^r 793	38 ^r 082	73 ^R 916
9	48 ^o 6	38 ^r 076	35 ^r 780	73 ^R 897

in Bar. 30^o06. Ther. 64^o0. Run + 1^o7. Images 1-2. Steadiness 1-2. ϵ Indi.

1882, March 31.

 α

h	m	r	r	R	h	m	r	r	R
16	35 ^o 5	84 ^r 006	81 ^r 752	165 ^R 901	16	44 ^o 8	101 ^r 341	103 ^r 649	205 ^R 148
16	59 ^o 8	81 ^r 748	84 ^r 027	165 ^R 898	16	52 ^o 3	103 ^r 652	101 ^r 362	205 ^R 167
17	7 ^o 5	84 ^r 046	81 ^r 758	165 ^R 923	17	19 ^o 5	101 ^r 372	103 ^r 655	205 ^R 163

in Bar. 30^o02. Ther. 63^o1. Run + 3^o1. Images 1-2. Steadiness 2.

Sirius.

1882, April 1.

 β

h	m	r	r	R	h	m	r	r	R
9	14 ^o 0	139 ^r 835	142 ^r 137	282 ^R 091	9	25 ^o 1	144 ^r 307	141 ^r 993	286 ^R 441
9	43 ^o 2	142 ^r 127	139 ^r 827	282 ^R 094	9	34 ^o 2	141 ^r 973	144 ^r 273	286 ^R 397
9	53 ^o 1	139 ^r 807	142 ^r 143	282 ^R 096	10	0 ^o 2	144 ^r 296	141 ^r 973	286 ^R 444
10	28 ^o 1	142 ^r 117	139 ^r 806	282 ^R 113	10	11 ^o 8	141 ^r 946	144 ^r 281	286 ^R 419

in Bar. 30^o06. Ther. 63^o3. Run + 2^o9. Images 2. Steadiness 2-3.

β Centauri.

1882, April 2.

h	m				
9 25' 8		38° 070	35° 769	73° 882	
9 35' 6		35° 781	38° 077	73° 900	

in Bar. 30° 11.

Ther. 63° 0.

Run + 2° 0.

 α_2 Centauri.

1882, April 2.

β			α		
h	m		h	m	
9 56' 3	117° 809	120° 111	238° 021	10 6' 1	150° 083
10 29' 7	120° 129	117° 796	238° 027	10 15' 2	147° 774
10 39' 9	117° 802	120° 109	238° 013	10 49' 6	150° 084
11 10' 7	120° 109	117° 811	238° 021	10 58' 0	147° 777

in Bar. 30° 13.

Ther. 62° 0.

Run + 3° 2.

Images 2-3.

Steadiness 3.

Sirius.

1882, April 3.

α			β		
h	m		h	m	
9 17' 6	144° 261	141° 961	286° 357	9 28' 2	139° 863
9 52' 5	141° 945	144° 262	286° 373	9 42' 0	142° 145

in Bar. 30° 18.

Ther. 62° 0.

Run + 3° 5.

Images 3-4.

Steadiness 3-4.

Sirius.

1882, April 5.

α			β		
h	m		h	m	
9 10' 2	144° 289	141° 984	286° 402	9 20' 8	139° 840
9 37' 7	141° 991	144° 290	286° 434	9 30' 8	142° 143
9 44' 8	144° 287	141° 972	286° 420	9 52' 8	139° 853
10 13' 4	141° 957	144° 250	286° 445	10 4' 8	142° 128

in Bar. 30° 00.

Ther. 56° 8.

Run + 3° 8.

Images 2-3.

Steadiness 2-3.

Sirius.

1882, April 7.

β			α		
h	m		h	m	
8 58' 3	139° 840	142° 164	282° 116	9 9' 9	144° 296
9 43' 4	142° 150	139° 813	282° 103	9 22' 5	141° 981
9 50' 6	139° 823	142° 140	282° 109	10 1' 2	144° 268
10 25' 2	142° 098	139° 798	282° 084	10 13' 5	141° 938

in Bar. 30° 20.

Ther. 63° 5.

Run + 2° 6.

Images 3.

Steadiness 3.

ε Indi.

1882, April 7.

β

h	m	r	r	R	h	m	r	r	R
16	20.9	101.341	103.602	205.120	16	31.7	84.004	81.734	165.884
16	53.7	103.632	101.361	205.141	16	42.0	81.747	84.022	165.907
17	3.0	101.364	103.636	205.146	17	11.8	84.034	81.737	165.886
17	27.2	103.632	101.372	205.137	17	19.4	81.758	84.056	165.926

in Bar. 30°12. Ther. 62°0. Run + 2°5. Images 2-3. Steadiness 3.

α

α₂ Centauri.

1882, April 7.

α

h	m	r	r	R	h	m	r	r	R
17	41.9	147.830	150.089	298.008	17	53.0	120.122	117.840	238.034
18	11.9	150.096	147.783	297.977	18	2.8	117.827	120.143	238.044
18	23.8	147.786	150.071	297.960	18	33.3	120.136	117.813	238.034
18	49.6	150.065	147.796	297.979	18	41.3	117.812	120.086	237.986

in Bar. (30°11). Ther. (62°0). Run + 2°0. Images 2. Steadiness 2-3.

β

β Centauri.

1882, April 7.

*

h	m	r	r	R
18	59.9	35.803	38.080	73.939
19	7.2	38.076	35.806	73.940

in Bar. (30°10). Ther. 62°0. Run + 2°0. Images 2. Steadiness 2.

β

α₂ Centauri.

1882, April 8.

h	m	r	r	R	h	m	r	r	R
9	40.3	120.131	117.795	238.026	9	49.0	147.774	150.093	297.990
10	8.0	117.808	120.115	238.024	9	59.3	150.113	147.777	298.013
10	15.9	120.108	117.812	238.021	10	25.8	147.782	150.071	297.977
10	47.6	117.801	120.097	238.000	10	37.0	150.080	147.756	297.960

in Bar. 30°03. Ther. 60°5. Run + 1°9. Images 1-2. Steadiness 2.

α

β Centauri.

1882, April 8.

*

h	m	r	r	R
11	0.4	38.092	35.783	73.908
11	9.8	35.807	38.085	73.924

in Bar. 30°03. Ther. 56°5. Run + 2°5. Images 1-2. Steadiness 1-2.

ε Indi.

1882, April 9.

α

β

h	m	r	r	E	h	m	r	r	E
16	41.8	81.736	84.038	165.912	16	51.2	103.659	101.333	205.147
17	8.2	84.034	81.739	165.892	16	59.6	101.344	103.661	205.153
17	18.2	81.736	84.038	165.886	17	28.4	103.662	101.345	205.138
17	55.5	84.049	81.749	165.891	17	44.2	101.332	103.649	205.104

in
Bar. 30°07.

Ther. 61°5.

Run + 2°4.

Images 1-2.

Steadiness 1-2.

α₂ Centauri.

1882, April 9.

α

β

h	m	r	r	E	h	m	r	r	E
18	9.7	150.092	147.782	297.970	18	17.3	117.836	120.125	238.039
18	35.6	147.775	150.080	297.964	18	27.0	120.134	117.807	238.024
18	41.1	150.090	147.782	297.984	18	49.5	117.831	120.123	238.043
19	3.1	147.766	150.083	297.977	18	56.3	120.128	117.826	238.050

in
Bar. 30°07.

Ther. 61°5.

Run + 1°4.

Images 2.

Steadiness 2-3.

Sirius.

1882, April 10.

α

β

h	m	r	r	E	h	m	r	r	E
9	11.5	141.971	144.287	286.388	9	23.0	142.137	139.820	282.082
9	42.1	144.271	141.948	286.378	9	32.8	139.827	142.138	282.097
9	50.9	141.951	144.264	286.382	9	58.6	142.122	139.796	282.072
10	18.2	144.249	141.925	286.381	10	7.8	139.803	142.119	282.085

in
Bar. 30°13.

Ther. 58°5.

Run + 1°7.

Images 1-2.

Steadiness 2-3.

α₂ Centauri.

1882, April 11.

β

α

h	m	r	r	E	h	m	r	r	E
9	9.5	117.819	120.094	238.008	9	18.1	150.080	147.769	297.969
9	37.1	120.110	117.796	238.005	9	28.6	147.759	150.068	297.948
9	44.7	117.802	120.102	238.004	9	53.5	150.071	147.764	297.958
10	12.2	120.106	117.790	237.997	10	4.0	147.772	150.074	297.969

in
Bar. 30°10.

Ther. 61°5.

Run + 0°9.

Images 1.

Steadiness 2.

β Centauri.

1882, April 11.

*

h	m	r	r	E
10	22.7	35.787	38.083	73.907
10	34.8	38.095	35.778	73.909

in
Bar. 30°09.

Ther. 58°3.

Run + 3°2.

Images 1.

Steadiness 2.

ε Indi.

1882, April 12.

α

β

h	m	r	r	R	h	m	r	r	R
17	28·5	84·050	81·747	165·904	17	38·1	101·362	103·640	205·130
18	1·8	81·767	84·058	165·915	17	52·2	101·370	101·335	205·119
18	9·6	84·049	81·756	165·892	18	20·3	101·352	103·658	205·116
18	37·8	81·764	84·054	165·893	18	29·3	103·654	101·366	205·122

in
Bar. 30°09. Ther. 59°5. Run + 2·5. Images 2. Steadiness 2-3.

ε Indi.

1882, April 13.

β

α

h	m	r	r	R	h	m	r	r	R
16	38·1	103·636	101·329	205·131	16	47·7	81·739	84·019	165·893
17	4·7	101·327	103·640	205·113	16	56·3	84·038	81·744	165·910
17	13·6	103·652	101·322	205·114	17	21·2	81·727	84·045	165·884
17	39·1	101·323	103·666	205·116	17	29·6	84·055	81·758	165·920

in
Bar. 30°20. Ther. 58°9. Run + 3·2. Images 1-2. Steadiness 2.α₂ Centauri.

1882, April 13.

β

α

h	m	r	r	R	h	m	r	r	R
18	10·6	120·136	117·819	238·032	18	17·9	147·775	150·073	297·950
18	38·0	117·813	120·136	238·037	18	27·8	150·074	147·770	297·950
18	45·1	120·124	117·824	238·039	18	51·2	147·707	150·090	297·977
19	8·1	117·811	120·126	238·041	18	59·8	150·085	147·761	297·972

in
Bar. 30°22. Ther. 59°0. Run + 1·7. Images 1-2. Steadiness 2.

Sirius.

1882, April 18.

β

α

h	m	r	r	R	h	m	r	r	R
9	8·4	142·127	139·823	282·067	9	18·8	142·002	144·272	286·409
9	41·1	139·829	142·121	282·088	9	28·5	144·276	141·952	286·372
9	49·3	142·128	139·791	282·064	9	58·4	141·951	144·266	286·391
10	20·5	139·794	142·125	282·101	10	9·8	144·254	141·939	286·382

in
Bar. 30°16. Ther. 61°0. Run + 3·1. Images 2. Steadiness 2-3.

ε Indi.

1882, April 18.

β

h	m	r	r	R	h	m	r	r	R
16	11 ²	103 ⁶ 12	101 ³ 111	205 ¹⁰⁹	16	22 ²	81 ⁷ 20	84 ⁰ 16	165 ⁸ 91
16	42 ⁶	101 ³ 19	103 ⁶ 23	205 ¹⁰³	16	32 ⁷	84 ⁰ 37	81 ⁷ 36	165 ⁹ 18
16	52 ⁴	103 ⁶ 42	101 ³ 27	205 ¹²⁴	17	2 ⁴	81 ⁷ 56	84 ⁰ 27	165 ⁹ 06
17	21 ³	101 ³ 44	103 ⁶ 47	205 ¹²⁷	17	11 ⁹	84 ⁰ 50	81 ⁷ 40	165 ⁹ 07

in Bar. 30°10. Ther. 60°8. Run + 3°0. Images 2-3. Steadiness 2-3.

Sirius.

1882, April 19.

α

h	m	r	r	R	h	m	r	r	R
10	4 ⁵	144 ¹ 259	141 ¹ 942	286 ¹ 382	10	12 ³	139 ⁸ 23	142 ¹ 120	282 ¹ 112
10	32 ¹	141 ¹ 925	144 ¹ 238	286 ¹ 400	10	21 ⁷	142 ¹ 106	139 ⁸ 15	282 ¹ 102

in Bar. 30°03. Ther. 60°3. Run + 2°3. Images 3. Steadiness 3.

Sirius.

1882, April 22.

α

h	m	r	r	R	h	m	r	r	R
9	6 ⁰	141 ¹ 983	144 ¹ 279	286 ¹ 390	9	15 ⁹	142 ¹ 118	139 ⁸ 35	282 ⁰ 074
9	38 ⁶	144 ¹ 285	141 ¹ 982	286 ¹ 420	9	29 ²	139 ⁸ 25	142 ¹ 135	282 ⁰ 090
9	49 ⁶	141 ¹ 955	144 ¹ 297	286 ¹ 417	10	0 ⁵	142 ¹ 124	139 ⁷ 98	282 ⁰ 079
10	25 ⁸	144 ¹ 231	141 ¹ 931	286 ¹ 382	10	15 ³	139 ⁷ 97	142 ¹ 093	282 ⁰ 065

in Bar. 30°19. Ther. 57°0. Run + 2°3. Images 3. Steadiness 3.

Sirius.

1882, April 25.

β

h	m	r	r	R	h	m	r	r	R
8	35 ⁸	142 ¹ 138	139 ⁸ 840	282 ⁰ 081	8	43 ⁷	141 ¹ 982	144 ¹ 276	286 ⁰ 372
9	6 ⁹	139 ⁸ 26	142 ¹ 116	282 ⁰ 058	8	56 ²	144 ¹ 281	141 ¹ 972	286 ⁰ 373
9	17 ⁸	142 ¹ 151	139 ⁸ 220	282 ⁰ 093	9	28 ⁰	141 ¹ 974	144 ¹ 268	286 ⁰ 386
9	48 ⁵	139 ⁸ 34	142 ¹ 121	282 ⁰ 100	9	38 ⁴	144 ¹ 270	141 ¹ 961	286 ⁰ 383

in Bar. 30°17. Ther. 61°3. Run + 1°4. Images 1-2. Steadiness 2-3.

α₂ Centauri.

1882, April 25.

α

h	m	r	r	R	h	m	r	r	R
11	16 ¹	150 ⁰ 072	147 ¹ 762	297 ¹ 957	11	25 ³	117 ¹ 824	120 ¹ 126	238 ⁰ 050
11	43 ⁴	147 ¹ 778	150 ⁰ 065	297 ¹ 964	11	33 ⁸	120 ¹ 109	117 ¹ 827	238 ⁰ 035
11	52 ⁴	150 ⁰ 066	147 ¹ 780	297 ¹ 966	12	0 ¹	117 ¹ 822	120 ¹ 120	238 ⁰ 038
12	16 ⁶	147 ¹ 765	150 ⁰ 072	297 ¹ 953	12	9 ¹	120 ¹ 122	117 ¹ 821	238 ⁰ 038

in Bar. 30°15. Ther. 58°5. Run + 2°1. Images 1-2. Steadiness 2.

β Centauri.

1882, April 25.

*

h	m	r	r	r
12	27.1	38.082	35.790	73.899
12	37.6	35.804	38.082	73.912

in Bar. 30°14.

Ther. 58°0.

Run + 1°5.

Sirius.

1882, April 26.

α

h	m	r	r	r	r	r
9	49.1	144.248	141.953	286.364	10 0.7	139.814
10	22.1	141.937	144.219	286.370	10 9.4	142.106

in Bar. 30°08.

Ther. 62°0.

Run + 2°1.

Images 1-2.

β

Steadiness 1-2.

Sirius.

1882, April 28.

β

b	m	r	r	r	h	m	r	r	r
8	33.5	139.832	142.145	282.080	8	43.1	144.277	141.966	286.356
9	2.0	142.141	139.823	282.078	8	51.8	141.976	144.265	286.359
9	9.5	139.839	142.118	282.074	9	20.0	144.280	141.960	286.377
9	51.1	142.113	139.804	282.064	9	38.1	141.983	144.245	286.380

in Bar. 30°10.

Ther. 60°0.

Run + 1°9.

Images 1-2.

α

Steadiness 1-2.

 β Centauri.

1882, April 28.

*

h	m	r	r	r
11	15.2	35.800	38.080	73.912
11	23.9	38.080	35.791	73.902

in Bar. 30°13.

Ther. 59°0.

Run + 3°1.

Images 1.

Steadiness 1.

 α_2 Centauri.

1882, April 28.

β

h	m	r	r	r	h	m	r	r	r
11	37.6	117.819	120.116	238.033	11	47.5	150.056	147.758	297.934
12	14.4	120.132	117.803	238.030	12	0.2	147.775	150.072	297.966

in Bar. 30°14.

Ther. 57°5.

Run + 1°4.

Images 1-2.

Steadiness 1-2.

Sirius.

1882, May 2.

 α

h	m	r	h	m	r	h	m	r
9 13.5	144.265	141.963	286.361	9 28.5	139.800	142.120	282.049	
9 48.6	141.948	144.247	286.359	9 38.1	142.112	139.825	282.074	
9 57.5	144.259	141.943	286.377	10 8.5	139.810	142.111	282.086	
10 30.6	141.909	144.224	286.365	10 19.2	142.114	139.774	282.068	

 β

in Bar. 30°.15. Ther. 56°.7. Run + 3°.4. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, May 2.

 α

h	m	r	h	m	r	h	m	r
18 39.0	264.024	266.340	530.738	18 49.9	172.181	169.874	342.290	
19 14.1	266.367	264.053	530.708	19 0.8	169.863	172.201	342.279	
19 23.2	264.037	266.388	530.694	19 32.9	172.215	169.917	342.304	
19 55.7	266.405	264.100	530.728	19 45.1	169.886	172.235	342.282	

 β

in Bar. 30°.15. Ther. 50°.3. Run + 6°.6. Images 1-2. Steadiness 1-2.

Sirius.

1882, May 3.

 β

h	m	r	h	m	r	h	m	r
9 18.1	139.842	142.108	282.074	9 28.2	144.271	141.962	286.379	
9 44.4	142.122	139.812	282.076	9 37.0	141.968	144.254	286.375	
9 57.2	139.782	142.124	282.060	10 18.5	144.252	141.926	286.387	
10 40.1	142.072	139.777	282.068	10 30.5	141.937	144.221	286.390	

 α

in Bar. 30°.28. Ther. 56°.5. Run + 2°.4. Images 2-3. Steadiness 2-3.

Sirius.

1882, May 5.

 α

h	m	r	h	m	r	h	m	r
9 22.3	141.953	144.246	286.336	9 35.8	142.121	139.812	282.067	
10 0.5	144.281	141.926	286.384	9 47.7	139.809	142.104	282.058	

 β

in Bar. 30°.20. Ther. 61°.5. Run + 2°.6. Images 3. Steadiness 3.

Sirius.

1882, May 5.

 β

h	m	r	h	m	r	h	m	r
19 39.0	169.936	172.230	342.327	19 47.8	266.373	264.064	530.664	
20 5.7	172.225	169.928	342.293	19 57.5	264.075	266.377	530.668	

 α

in Bar. 30°.07. Ther. 60°.8. Run + 4°.0. Images 2. Steadiness 2.

α Indi.

1882, May 6.

α				β			
18 46.8	r 81.783	r 84.074	R 165.930	18 58.3	r 103.645	r 101.352	R 205.088
19 15.8	r 84.058	r 81.781	R 165.903	19 6.7	r 101.340	r 103.678	R 205.107
19 22.9	r 81.790	r 84.063	R 165.915	19 32.1	r 103.639	r 101.351	R 205.069
20 1.0	r 84.074	r 81.789	R 165.919	19 46.4	r 101.354	r 103.632	R 205.051

in Bar. 30° 07. Ther. 51° 3. Run + 2° 6. Images 2. Steadiness 2.

Lacaille 9352.

1882, May 7.

α				β			
18 18.5	r 263.982	r 266.311	R 530.742	18 29.8	r 172.182	r 169.852	R 342.314
18 48.8	r 266.344	r 264.027	R 530.714	18 39.3	r 169.873	r 172.167	R 342.297
18 58.5	r 264.061	r 266.356	R 530.737	19 9.0	r 172.206	r 169.913	R 342.322
19 31.6	r 266.385	r 264.071	R 530.712	19 21.1	r 169.902	r 172.202	R 342.290

in Bar. 30° 24. Ther. 52° 0. Run + 3° 7. Images 1-2. Steadiness 2-3.

α₂ Centauri.

1882, May 7.

α				β			
19 52.4	r 147.725	r 150.026	R 297.943	20 2.1	r 120.105	r 117.811	R 238.078
20 21.7	r 149.982	r 147.715	R 297.948	20 12.3	r 117.783	r 120.097	R 238.057
20 31.7	r 147.708	r 149.985	R 297.971	20 41.4	r 120.076	r 117.763	R 238.073
21 0.9	r 149.952	r 147.635	R 297.964	20 50.4	r 117.770	r 120.036	R 238.062

in Bar. 30° 27. Ther. 48° 0. Run + 2° 5. Images 2. Steadiness 2-3.

Sirius.

1882, May 8.

β				α			
9 57.8	r 142.115	r 139.795	R 282.064	10 5.6	r 141.949	r 144.249	R 286.381
10 27.5	r 139.771	r 142.101	R 282.064	10 16.2	r 144.220	r 141.924	R 286.345

in Bar. 30° 32. Ther. 60° 0. Run + 2° 6. Images 2. Steadiness 2-3.

α₂ Centauri.

1882, May 9.

α				β			
9 25.0	r 147.785	r 150.058	R 297.966	9 35.7	r 120.100	r 117.823	R 238.025
9 54.9	r 150.044	r 147.767	R 297.936	9 45.8	r 117.839	r 120.110	R 238.052
10 2.0	r 147.766	r 150.059	R 297.950	10 10.8	r 120.102	r 117.832	R 238.037
10 27.4	r 150.046	r 147.755	R 297.927	10 20.2	r 117.824	r 120.117	R 238.045

in Bar. 30° 29. Ther. 55° 0. Run + 3° 0. Images 2. Steadiness 2-3.

β Centauri.

1882, May 9.

*

h 10 41.6	m 35.801	r 38.078	R 73.915
10 49.9	38.080	35.811	73.926
in Bar. 30.29.	Ther. 56°.0.	Run + 4.5.	Images 1. Steadiness 1.

Lacaille 9352.

1882, May 9.

β			α		
h 18 18.2	m 172.124	r 169.843	R 342.278	h 18 28.5	r 264.007
18 51.5	169.878	172.194	342.301	18 41.0	266.358
19 0.3	172.185	169.905	342.304	19 10.5	264.063
19 30.8	169.901	172.212	342.285	19 21.3	266.382
in Bar. 30.21.	Ther. 56°.3.	Run + 4.5.	Images 1-2.	Steadiness 1-2.	

 α_2 Centauri.

1882, May 9.

β			α		
h 19 50.4	m 120.115	r 117.829	R 238.088	h 19 58.3	r 147.737
20 18.7	117.773	120.078	238.034	20 8.3	150.017
20 25.3	120.081	117.797	238.074	20 34.3	147.699
20 56.6	117.766	120.022	238.055	20 43.6	149.994
in Bar. 30.20.	Ther. 57°.3.	Run + 2.6.	Images 2.	Steadiness 2-3.	

Sirius.

1882, May 18.

α			β		
h 9 39.9	m 141.983	r 144.253	R 286.394	h 9 50.9	r 142.132
10 6.2	144.232	141.956	286.377	9 59.6	139.807
10 11.5	141.949	144.241	286.389	10 19.5	142.091
10 38.6	144.192	141.926	286.375	10 30.8	139.786
in Bar. 30.31.	Ther. 52°.8.	Run + 3.0.	Images 2-3.	Steadiness 2-3.	

 α_2 Centauri.

1882, May 18.

β			α		
h 19 0.6	m 120.136	r 117.818	R 238.056	h 19 11.3	r 147.740
19 32.8	117.843	120.135	238.107	19 21.9	150.040
19 42.0	120.126	117.799	238.063	19 51.4	147.696
20 17.2	117.804	120.117	238.108	20 6.1	150.019
in Bar. 30.20.	Ther. 46°.5.	Run + 2.2.	Images 2.	Steadiness 3.	

Lacaille 9352.

1882, May 18.

 β α

h	m	r	h	m	r	h	m	r
20	37.4	172.249	169.927	342.302		20	50.3	264.136
21	13.8	169.914	172.240	342.266		21	1.9	266.464

in

Bar. 30° 17.

Ther. 42° 5.

Run + 5° 9.

Images 2.

Steadiness 2.

Sirius.

1882, May 19.

 β α

h	m	r	h	m	r	h	m	r
9	29.8	142.131	139.825	282.085		9	37.6	141.959
9	51.8	139.796	142.126	282.069		9	44.8	144.259
9	58.8	142.124	139.805	282.085		10	11.7	141.922
10	29.6	139.784	142.106	282.088		10	20.2	144.289

in

Bar. 30° 04.

Ther. 56° 3.

Run + 3° 4.

Images 2-3.

Steadiness 2-3.

 α_2 Centauri.

1882, May 19.

 β α

h	m	r	h	m	r	h	m	r
11	27.1	120.167	117.839	238.106		11	34.7	147.748
11	54.9	117.820	120.155	238.072		11	44.6	150.063
12	0.3	120.140	117.822	238.058		12	7.9	147.743
12	25.0	117.847	120.167	238.108		12	15.8	150.078

in

Bar. 30° 04.

Ther. 56° 8.

Run + 1° 0.

Images 2.

Steadiness 2-3.

Lacaille 9352.

1882, May 19.

 α β

h	m	r	h	m	r	h	m	r
18	23.7	266.332	263.982	530.742		18	33.2	169.820
18	54.4	264.027	266.365	530.723		18	43.2	172.201
19	5.5	266.375	264.043	530.722		19	15.1	169.873
19	35.3	264.069	266.386	530.706		19	23.0	172.229

in

Bar. 29° 99.

Ther. 47° 0.

Run + 4° 8.

Images 2.

Steadiness 2-3.

Sirius.

1882, May 21.

 α β

h	m	r	h	m	r	h	m	r
9	42.7	144.262	141.045	286.367		9	51.4	139.783
10	11.8	141.920	144.249	286.368		10	3.0	142.132
10	17.8	144.223	141.933	286.366		10	26.9	139.742
10	47.8	141.883	144.205	286.373		10	37.0	142.079

in

Bar. 30° 47.

Ther. 54° 7.

Run + 2° 1.

Images 2.

Steadiness 2-3.

α , Centauri.

1882, May 22.

 α

h	m	r	h	m	r	h	m	r
9 41' 6	147' 751	150' 059	297' 934	9 51' 4	120' 140	117' 819	238' 062	
10 15' 5	150' 062	147' 732	297' 921	10 6' 6	117' 814	120' 147	238' 064	
10 24' 2	147' 739	150' 075	297' 941	10 34' 1	120' 157	117' 838	238' 099	
10 53' 7	150' 047	147' 731	297' 903	10 44' 7	117' 815	120' 156	238' 075	

in Bar. 30° 30. Ther. 53° 5. Run + 1° 9. Images 1-2. Steadiness 2-3.

Sirius.

1882, May 23.

 β

h	m	r	h	m	r	h	m	r
9 45' 3	142' 128	139' 785	282' 057	9 53' 2	141' 930	144' 292	286' 394	
10 15' 2	139' 799	142' 086	282' 062	10 5' 0	144' 283	141' 955	286' 423	

in Bar. 30° 40. Ther. 55° 5. Run + 3° 2. Images 2. Steadiness 2-3.

 ϵ Indi.

1882, May 23.

 α

h	m	r	h	m	r	h	m	r
16 41' 8	84' 039	81' 726	165' 906	16 50' 7	101' 285	103' 638	205' 081	
17 10' 6	81' 746	84' 063	165' 929	17 1' 8	103' 626	101' 300	205' 077	
17 20' 6	84' 064	81' 758	165' 936	17 30' 1	101' 317	103' 636	205' 086	
17 49' 9	81' 763	84' 077	165' 938	17 39' 4	103' 642	101' 294	205' 065	

in Bar. 30° 42. Ther. 56° 0. Run + 4° 1. Images 1-2. Steadiness 2.

Lacaille 9352.

1882, May 23.

 β

h	m	r	h	m	r	h	m	r
18 7' 1	169' 764	172' 152	342' 269	18 22' 5	266' 334	263' 981	530' 748	
18 39' 0	172' 145	169' 834	342' 236	18 31' 1	263' 996	266' 338	530' 733	

in Bar. 30° 42. Ther. 55° 5. Run + 3° 8. Images 2. Steadiness 2.

 ϵ Indi.

1882, May 24.

 β

h	m	r	h	m	r	h	m	r
16 30' 3	101' 213	103' 687	205' 073	16 40' 3	84' 093	81' 662	165' 898	
17 1' 8	103' 702	101' 237	205' 090	16 49' 0	81' 670	84' 129	165' 935	
17 9' 9	101' 236	103' 689	205' 070	17 20' 7	84' 107	81' 689	165' 910	
17 44' 0	103' 729	101' 249	205' 105	17 31' 0	81' 686	84' 125	165' 918	

in Bar. 30° 45. Ther. 56° 3. Run + 3° 1. Images 2. Steadiness 2.

α_2 Centauri.

1882, May 26.

 β

h	m	r	r	R	h	m	r	r	R
9 58.1		120.227	117.737	238.066	10 7.8		147.630	150.140	297.895
10 24.6		117.732	120.221	238.056	10 16.5		150.128	147.662	297.916
10 32.1		120.208	117.744	238.055	10 41.5		147.636	150.156	297.918
10 58.6		117.728	120.220	238.050	10 50.1		150.137	147.636	297.898

in Bar. 30° 36. Ther. 59°. Run + 1° 5. Images 2. Steadiness 2-3.

 α β Centauri.

1882, May 26.

*

h	m	r	r	R
11 7.1		38.172	35.701	73.906
11 16.5		35.699	38.163	73.894

in Bar. 30° 38. Ther. 59°. Run + 4° 6. Images 2. Steadiness 2.

 β Centauri.

1882, May 26.

*

h	m	r	r	R
16 48.2		38.177	35.724	73.926
16 56.5		35.711	38.177	73.915

in Bar. 30° 37. Ther. 60°. Run + 1° 7. Images 2. Steadiness 2-3.

 α_2 Centauri.

1882, May 26.

 β

h	m	r	r	R	h	m	r	r	R
17 10.9		120.253	117.769	238.090	17 19.4		147.655	150.150	297.891
17 40.2		117.781	120.257	238.109	17 28.8		150.140	147.674	297.901
17 50.8		120.261	117.783	238.117	18 0.0		147.666	150.145	297.905
18 19.2		117.758	120.275	238.113	18 9.3		150.140	147.626	297.864

in Bar. (30° 37). Ther. 60°. Run + 1° 9. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, May 26.

 β

h	m	r	r	R	h	m	r	r	R
18 40.9		266.420	263.956	530.739	18 52.3		169.754	172.284	342.265
19 11.3		263.970	266.479	530.738	19 1.7		172.262	169.788	342.261
19 18.4		266.472	263.984	530.729	19 31.3		169.778	172.271	342.221
19 51.8		263.981	266.482	530.687	19 42.8		172.294	169.793	342.248

in Bar. 30° 34. Ther. 60°. Run + 5° 1. Steadiness 2-3.

Sirius.

1882, May 27.

 α β

h	m	r	h	m	r	h	m	r	
9 50' 3	144	326	141	838	286	330	10 19' 2	139	699
10 38' 9	141	792	144	293	286	338	10 19' 2	142	184

in Bar. 30° 25. Ther. 60° 4. Run + 2° 3. Images 3. Steadiness 3.

 α_2 Centauri.

1882, May 28.

 α β

h	m	r	h	m	r	h	m	r	
9 40' 7	150	130	147	636	297	890	9 48' 6	117	739
10 12' 8	147	645	150	139	297	909	9 59' 6	120	214
10 26' 4	150	127	147	652	297	905	10 41' 6	117	744
11 3' 8	147	661	150	133	297	919	10 55' 0	120	226

in Bar. 30° 02. Ther. 51° 5. Run + 1° 1. Images 2-3. Steadiness 3.

 α_2 Centauri.

1882, May 29.

 β α

h	m	r	h	m	r	h	m	r	
9 53' 1	117	753	120	221	238	076	10 2' 0	150	127
10 21' 3	120	203	117	758	238	064	10 12' 0	147	663

in Bar. 30° 05. Ther. 54° 0. Run + 2° 3. Images 2. Steadiness 2-3.

 α_2 Centauri.

1882, June 13.

 β α

h	m	r	h	m	r	h	m	r	
11 13' 8	117	847	120	266	238	213	11 25' 6	150	162
11 45' 2	120	286	117	852	238	234	11 34' 6	147	725
12 3' 9	117	860	120	292	238	247	12 17' 5	150	181
12 53' 8	120	300	117	873	238	263	12 36' 3	147	744

in Bar. 30° 12. Ther. 63° 8. Run + 2° 3. Images 2. Steadiness 2.

 α_2 Centauri.

1882, June 13.

 β α

h	m	r	h	m	r	h	m	r	
18 27' 4	117	837	120	283	238	203	18 37' 7	150	191
18 55' 5	120	283	117	830	238	209	18 46' 9	147	737
19 4' 2	117	846	120	299	238	246	19 16' 3	150	152
19 42' 8	120	255	117	833	238	223	19 27' 0	147	704

in Bar. 30° 16. Ther. 59° 0. Run + 1° 4. Images 2-3. Steadiness 2.

α_2 Centauri.

1882, June 19.

 β α

h	m	r	h	m	r	h	m	r
18	51	3	117	848	120	314	238	257
19	19	7	120	293	117	855	238	261
19	27	1	117	851	120	308	238	280
19	53	9	120	288	117	808	238	243

in

Bar. 30° 31.

Ther. 57° 8.

Run + 1° 8.

Images 1-2.

Steadiness 1-2.

 ϵ Indi.

1882, June 20.

 α β

h	m	r	h	m	r	h	m	r
17	20	8	81	730	84	169	166	014
18	3	3	84	168	81	760	166	021

in

Bar. 30° 20.

Ther. 47° 0.

Run + 3° 6.

Images 1-2.

Steadiness 1-2.

 α_2 Centauri.

1882, June 21.

 β α

h	m	r	h	m	r	h	m	r
18	7	3	117	874	120	307	238	257
18	37	2	120	323	117	842	238	253
18	45	0	117	851	120	310	238	252
19	22	5	120	273	117	839	238	228

in

Bar. 30° 06.

Ther. 56° 3.

Run + 1° 8.

 ϵ Indi.

1882, June 24.

 α β

h	m	r	h	m	r	h	m	r
17	46	9	81	750	84	184	166	033
18	34	0	84	177	81	754	166	009
18	45	3	81	743	84	199	166	017
19	16	6	84	203	81	775	166	042

in

Bar. 30° 52.

Ther. 55° 0.

Run + 2° 2.

Images 2-3.

Steadiness 2-3.

 α_2 Centauri.

1882, June 24.

 α β

h	m	r	h	m	r	h	m	r
19	33	9	147	708	150	137	298	011
20	4	7	150	119	147	655	297	988
20	13	5	147	660	150	092	297	986
20	49	3	150	040	147	627	297	999

in

Bar. 30° 50.

Ther. 53° 0.

Run + 1° 8.

Images 2-3.

Steadiness 2-3.

α_2 Centauri.

1882, June 29.

 β

h	m	r	r	R	h	m	r	r	R
18	37.9	117.856	120.297	238.243	18	50.6	150.131	147.677	297.931
19	16.4	120.281	117.847	238.241	19	0.8	147.060	150.137	297.957
19	31.7	117.832	120.275	238.234	19	44.0	150.140	147.688	298.008
20	5.6	120.258	117.796	238.221	19	55.8	147.655	150.118	297.972

in Bar. 30° 17. Ther. 46° 0. Run + 2° 3. Images 1-2. Steadiness 2.

 α_2 Centauri.

1882, June 30.

 α

h	m	r	r	R	h	m	r	r	R
18	32.7	147.658	150.096	297.867	18	44.2	120.265	117.807	238.166
19	8.5	150.089	147.647	297.875	18	58.0	117.820	120.255	238.177
19	21.0	147.648	150.082	297.882	19	35.1	120.256	117.797	238.185
19	58.3	150.062	147.607	297.875	19	47.1	117.806	120.243	238.193

in Bar. 30° 30. Ther. 43° 5. Run + 2° 5. Images 1. Steadiness 2-3.

 ϵ Indi.

1882, July 1.

 β

h	m	r	r	R	h	m	r	r	R
17	30.6	101.249	103.671	205.055	17	50.3	84.170	81.728	165.995
18	15.8	103.696	101.252	205.060	18	3.9	81.738	84.145	165.975
18	25.4	101.253	103.687	205.048	18	35.5	84.154	81.732	165.965
18	56.2	103.702	101.267	205.062	18	45.5	81.743	84.159	165.978

in Bar. 30° 15. Ther. 45° 0. Run + 3° 5. Images 1-2. Steadiness 1-2.

 α_2 Centauri.

1882, July 1.

 β

h	m	r	r	R	h	m	r	r	R
20	2.1	117.766	120.233	238.161	20	9.9	150.035	147.611	297.871
20	37.9	120.207	117.759	238.192	20	22.8	147.612	150.006	297.873
20	48.4	117.755	120.175	238.179	20	59.1	149.083	147.550	297.902
21	19.9	120.126	117.680	238.152	21	9.5	147.514	149.965	297.890

in Bar. 30° 10. Ther. 46° 5. Run + 2° 4.

 ϵ Indi.

1882, July 9.

 α

h	m	r	r	R	h	m	r	r	R
18	10.2	81.720	84.145	165.956	18	17.6	103.686	101.266	205.064
18	39.3	84.166	81.725	165.969	18	28.4	101.262	103.701	205.070
18	47.6	81.739	84.173	165.987	18	56.8	103.694	101.262	205.050
19	16.8	84.162	81.735	165.961	19	6.6	101.266	103.700	205.057

in Bar. 30° 47. Ther. 47° 5. Run + 2° 7. Images 1-2. Steadiness 1-2.

α_2 Eridani.

1882, July 9.

 α

h	m	r	r	R	h	m	r	r	R
0 23 9	242 114	244 578	487 154		0 36 3	253 680	251 233	505 379	
1 1 5	244 601	242 196	487 127		0 49 5	253 240	253 682	505 333	
1 10 7	242 174	244 607	487 090		1 20 7	253 724	251 288	505 333	
1 41 9	244 661	242 213	487 130		1 32 5	251 289	253 746	505 333	

in
Bar. 30° 39. Ther. 40° 5. Run + 3° 9. Images 1-2. Steadiness 2-3. β ϵ Indi.

1882, July 10.

 β

h	m	r	r	R	h	m	r	r	R
18 0 0	103 680	101 256	205 056		18 9 9	81 712	84 169	165 972	
18 28 1	101 274	103 685	205 066		18 19 9	84 166	81 742	165 994	
18 35 9	103 667	101 254	205 024		18 46 2	81 767	84 155	165 998	
19 8 5	101 280	103 718	205 088		18 57 1	84 158	81 753	165 983	

in
Bar. 30° 14. Ther. 41° 0. Run + 3° 7. α β Centauri.

1882, July 11.

*

h	m	r	r	R
17 7 6	38 156	35 727	73 911	

in
Bar. 30° 36. Ther. 52° 0. Run + 3° 3. Images 2-3. Steadiness 2-3. α α_2 Centauri.

1882, July 11.

 β

h	m	r	r	R	h	m	r	r	R
17 35 1	150 103	147 677	297 870		17 47 4	117 842	120 255	238 170	
18 9 8	147 652	150 095	297 846		18 1 1	120 299	117 834	238 210	

in
Bar. 30° 38. Ther. 51° 0. Run + 2° 4. Images 2. Steadiness 2-3. β α_2 Eridani.

1882, July 11.

 α

h	m	r	r	R	h	m	r	r	R
0 16 2	253 596	251 154	505 321		0 30 2	242 086	244 568	487 081	
1 22 0	251 268	253 696	505 278		1 12 7	244 636	242 190	487 127	

in
Bar. 30° 38. Ther. 48° 0. Run + 3° 9. Images 1. Steadiness 2.

ο₂ Eridani.

1882, July 13.

 α β

h	m	r	r	R	h	m	r	r	R
0	19.6	244.522	242.074	487.076	0	32.4	251.202	253.644	505.330
1	2.5	242.158	244.615	487.100	0	46.1	253.651	251.253	505.328
1	16.0	244.614	242.203	487.114	1	32.6	251.294	253.751	505.342
2	55.6	242.213	244.663	487.114	1	43.0	253.761	251.309	505.348

in
Bar. 30°.21.

Ther. 40°.0.

Run + 2°.0.

ο₂ Eridani.

1882, July 22.

 α β

h	m	r	r	R	h	m	r	r	R
0	51.8	244.600	242.147	487.097	1	6.0	251.238	253.709	505.299
1	28.9	242.185	244.632	487.087	1	17.3	253.736	251.271	505.328
1	37.3	244.668	242.189	487.113	1	48.4	251.282	253.766	505.313
2	6.5	242.201	244.693	487.114	1	57.2	253.748	251.309	505.309

in
Bar. 30°.19.

Ther. 49°.3.

Run + 2°.1.

Images 2.

Steadiness 3.

 α β

h	m	r	r	R	h	m	r	r	R
16	35.6	84.176	81.701	166.023	16	47.6	101.214	103.669	205.045
17	22.6	81.723	84.170	166.006	17	5.7	103.679	101.219	205.047

in
Bar. 30°.39.

Ther. 52°.3.

Run + 4°.3.

Images 3.

Steadiness 3.

 β α

h	m	r	r	R	h	m	r	r	R
0	42.5	253.655	251.248	505.331	0	55.6	242.153	244.623	487.115
1	18.2	251.280	253.752	505.351	1	7.2	244.648	242.180	487.138
1	28.1	253.744	251.287	505.330	1	40.0	242.209	244.642	487.104
2	8.6	251.347	253.777	505.362	1	54.4	244.691	242.223	487.149

in
Bar. 30°.34.

Ther. 51°.5.

Run + 2°.8.

Images 2-3.

Steadiness 3.

β Centauri.

1882, July 27.

*

h	m	r	r	R
16	43.1	35.726	38.149	73.901
16	53.1	38.187	35.733	73.947

in
Bar. 30°.26.

Ther. 52°.0.

Run + 3°.9.

Images 2-3.

Steadiness 2-3.

α_2 Centauri.

1882, July 27.

 α β

h	m	r	h	m	r	h	m	r
17 10.0		147° 646	150° 124	297° 856		17 24.2	120° 316	117° 863
17 46.3		150° 102	147° 650	297° 843		17 37.3	117° 873	120° 322

in Bar. (30° 26).

Ther. 52° 0.

Run + 3° 2.

 α_2 Centauri.

1882, July 27.

 α^1 β^1

h	m	r	h	m	r	h	m	r
18 12.0		232° 171	234° 600	467° 028		18 30.1	213° 556	211° 086
19 7.9		234° 594	232° 101	467° 040		18 43.0	211° 075	213° 538

in Bar. 30° 23.

Ther. 51° 5.

Run + 2° 8.

Images 3.

Steadiness 3.

 α_2 Eridani.

1882, July 27.

 α β

h	m	r	h	m	r	h	m	r
0 53.0		242° 156	244° 592	487° 096		1 2.6	253° 712	251° 276
1 27.6		244° 633	242° 201	487° 108		1 17.0	251° 263	253° 750
1 35.4		242° 209	244° 651	487° 121		1 47.8	253° 767	251° 305
2 8.2		244° 666	242° 204	487° 090		1 57.6	251° 324	253° 778

in Bar. 30° 17.

Ther. 45° 5.

Run + 2° 6.

Images 1-2.

Steadiness 2.

 α_2 Centauri.

1882, July 30.

 β^1 α^1

h	m	r	h	m	r	h	m	r
17 29.6		213° 567	211° 118	424° 867		17 46.1	232° 163	234° 603
18 19.8		211° 121	213° 581	424° 932		18 1.5	234° 647	232° 143
18 32.3		213° 570	211° 120	424° 934		18 48.9	232° 133	234° 583
19 20.7		211° 084	213° 515	424° 911		19 1.7	234° 586	232° 111

in Bar. 30° 39.

Ther. 54° 5.

Run + 2° 7.

 α_2 Eridani.

1882, July 30.

 β α

h	m	r	h	m	r	h	m	r
0 35.4		253° 635	251° 213	505° 307		0 46.8	242° 142	244° 611
1 8.3		251° 280	253° 709	505° 342		0 59.2	244° 598	242° 174
1 16.1		253° 717	251° 278	505° 319		1 29.3	242° 157	244° 650
1 49.5		251° 306	253° 761	505° 329		1 39.9	244° 651	242° 198

in Bar. 30° 41.

Ther. 54° 0.

Run + 2° 8.

Images 1-2.

Steadiness 2.

α_2 Centauri.

1882, July 31.

 α^1

h	m	r	r	^R	h	m	r	r	^R
17	39.1	232.157	234.614	466.988	17	53.1	213.558	211.118	424.878
18	27.9	234.590	232.163	467.030	18	10.5	211.124	213.568	424.912
18	36.6	232.147	234.597	467.034	18	55.3	213.558	211.086	424.917
19	27.5	234.531	232.085	466.999	19	12.5	211.074	213.537	424.909

in Bar. 30°46. Ther. 55°8. Run + 2°4. Images 1-2. Steadiness 2.

 β^1 β Centauri.

1882, July 31.

*

h	m	r	r	^R
20	25.4	35.700	38.135	73.949
20	36.7	38.144	35.691	73.959

in Bar. (30°45). Ther. 55°5. Run + 4°2. Images 2. Steadiness 2.

 α^2 Centauri.

1882, July 31.

 α β

h	m	r	r	^R	h	m	r	r	^R
20	46.1	147.518	149.991	297.826	20	54.8	120.177	117.724	238.166
21	16.5	149.952	147.452	297.847	21	5.1	117.733	120.158	238.185

in Bar. 30°45. Ther. 55°5. Run + 2°6. Images 2-3. Steadiness 3.

 β Centauri.

1882, August 1.

*

h	m	r	r	^R
16	24.2	35.722	38.156	73.902
16	40.5	38.166	35.715	73.907

in Bar. 30°41. Ther. 57°0. Run + 4°1. Images 2. Steadiness 2.

 α_2 Centauri.

1882, August 1.

 α β

h	m	r	r	^R	h	m	r	r	^R
17	0.2	147.650	150.121	297.855	17	13.6	120.308	117.858	238.234
17	38.5	150.095	147.665	297.850	17	25.0	117.865	120.305	238.239

in Bar. 30°47. Ther. 57°0. Run + 2°5. Images 2-3. Steadiness 2-3.

α_2 Centauri.

1882, August 2.

 β^1

h	m	r	h	m	r	h	m	r
17	19 ³	213 ⁵⁸⁹	211 ¹²²	424 ⁸⁸⁶	17	32 ⁶	232 ¹⁶¹	234 ⁵⁹³
18	5 ¹	211 ¹⁰⁵	213 ⁵⁶³	424 ⁸⁸²	17	50 ³	234 ⁶¹⁶	232 ¹⁶⁶
18	13 ⁷	213 ⁵⁶³	211 ¹¹⁷	424 ⁹⁰⁰	18	30 ⁹	232 ¹²³	234 ⁵⁹¹
19	0 ²	211 ⁰⁷⁰	213 ⁵⁴²	424 ⁸⁹²	18	45 ¹	234 ⁵⁵⁹	232 ¹⁴⁸

in
Bar. 30° 37.

Ther. 55° 0.

Run + 2° 5.

 α^1

h	m	r	h	m	r	h	m	r
17	32 ⁶	232 ¹⁶¹	17	32 ⁶	234 ⁵⁹³	466	964	
17	50 ³	234 ⁶¹⁶	17	50 ³	232 ¹⁶⁶	467	011	
18	30 ⁹	232 ¹²³	18	30 ⁹	234 ⁵⁹¹	466	995	
18	45 ¹	234 ⁵⁵⁹	18	45 ¹	232 ¹⁴⁸	467	009	

in

Run + 2° 5.

Sirius.

1882, August 3.

 α

h	m	r	h	m	r	h	m	r
1	53 ²	141 ⁹³¹	144 ³³³	286 ³⁸⁸	2	8 ³	142 ¹⁸⁶	139 ⁷⁴⁸
2	33 ⁷	144 ³⁷²	141 ⁹⁸⁷	286 ³⁸¹	2	20 ²	139 ⁷³⁸	142 ¹⁹⁴
2	45 ⁰	141 ⁹⁰⁴	144 ³⁸⁴	286 ³⁸⁷	2	53 ⁸	142 ²²¹	139 ⁷¹⁷
3	11 ⁸	144 ³⁶⁶	141 ⁹²⁹	286 ³⁸⁷	3	3 ⁵	139 ⁷⁶³	142 ¹⁹¹

in
Bar. 30° 25.

Ther. 53° 0.

Run + 2° 3.

 β

Images 2. Steadiness 3.

 β Centauri.

1882, August 4.

 α

h	m	r	h	m	r	h	m	r
17	1 ⁴	38 ¹⁷⁷	35 ⁷³³		73 ⁹³⁸			
17	16 ⁴	35 ⁷³⁵	38 ¹⁵³		73 ⁹¹⁷			

in
Bar. 30° 34.

Ther. 56° 0.

Run + 4° 4.

Images 2-3.

Steadiness 2-3.

 α_2 Centauri.

1882, August 4.

 β

h	m	r	h	m	r	h	m	r
17	36 ³	120 ³⁰⁴	117 ⁸⁵⁹	238 ²³³	17	49 ⁶	147 ⁶⁵⁷	150 ¹⁰⁶
								297 ⁸⁵⁵

in
Bar. 30° 34.

Ther. 55° 5.

Run + 3° 9.

Images 3.

Steadiness 3.

 β

Sirius.

1882, August 4.

 α

h	m	r	h	m	r	h	m	r
1	44 ⁶	139 ⁷³⁸	142 ¹⁶¹	281 ⁹⁸³	1	57 ²	144 ³³¹	141 ⁹¹⁷
2	21 ²	142 ¹⁸³	139 ⁷²³	281 ⁹⁸⁹	2	9 ⁹	141 ⁸⁹⁷	144 ³⁹³
2	29 ⁵	139 ⁷⁶⁰	142 ²⁰⁸	282 ⁰⁵⁰	2	43 ²	144 ³⁸¹	141 ⁹¹⁶
3	8 ⁷	142 ¹⁹³	139 ⁷⁴⁹	282 ⁰²⁴	2	53 ⁷	141 ⁹²²	144 ³⁷⁰

in
Bar. 30° 33.

Ther. 43° 3.

Run + 2° 9.

Images 2-3.

Steadiness 2.

α_2 Centauri.

1882, August 5.

 α^1

h	m	r	r	^E	h	m	r	r	^E
17	19.3	232.349	234.786	467.334	17	35.1	213.690	211.228	425.107
18	13.1	234.760	232.300	467.320	17	55.0	211.239	213.691	425.136

in

Bar. 30° 27. Ther. 48°. Run + 2° 5. Images 2-3. Steadiness 3.

 α_2 Centauri.

1882, August 7.

 β^1

h	m	r	r	^E	h	m	r	r	^E
17	31.3	211.060	213.610	424.853	17	51.3	234.583	232.210	467.022
18	17.5	213.500	211.126	424.853	18	5.7	232.197	234.555	466.998
18	24.8	211.122	213.529	424.887	18	32.9	234.538	232.135	466.956
18	51.8	213.518	211.123	424.909	18	42.7	232.126	234.539	466.962

in

Bar. 30° 29. Ther. 55°. Run + 3° 5. Images 2-3. Steadiness 2-3.

Sirius.

1882, August 7.

 α

h	m	r	r	^E	h	m	r	r	^E
1	52.8	141.945	144.349	286.419	2	3.7	142.153	139.792	282.027
2	34.2	144.352	141.947	286.402	2	17.1	139.770	142.184	282.036
2	44.3	141.945	144.332	286.377	2	54.2	142.163	139.769	282.013
3	13.8	144.341	141.981	286.415	3	5.0	139.789	142.145	282.015

in

Bar. 30° 24. Ther. 48°. Run + 3° 4. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1882, August 11.

 α^1

h	m	r	r	^E	h	m	r	r	^E
17	11.6	234.599	232.212	467.002	17	28.9	211.141	213.547	424.869
17	54.6	232.211	234.572	467.024	17	43.9	213.552	211.160	424.906
18	8.9	234.604	232.130	466.991	18	21.6	211.117	213.521	424.870

in

Bar. 30° 24. Ther. 52° 3. Run + 2° 8. Images 2. Steadiness 2.

 ϵ Indi.

1882, August 11.

 α

h	m	r	r	^E	h	m	r	r	^E
1	40.4	84.129	81.811	166.031	1	54.7	101.215	103.680	205.008
2	26.1	81.759	84.130	166.004	2	9.2	103.649	101.284	205.057
3	3.0	84.140	81.732	166.014	2	37.9	103.623	101.267	205.038

in

Bar. 30° 10. Ther. 53° 5. Run + 5° 0. Steadiness 2.

α_2 Centauri.										1882, August 12.			
β^1										α^1			
h	m	r	r	r		h	m	r	r		r		
17	32° 4	211° 151	213° 547	424° 882		17	48° 0	234° 575	232° 186		466° 991		
18	17° 1	213° 515	211° 128	424° 869		18	3° 7	232° 184	234° 537		466° 965		
18	30° 7	211° 127	213° 526	424° 894		18	40° 3	234° 545	232° 159		466° 998		
18	58° 0	213° 493	211° 117	424° 885		18	50° 3	232° 153	234° 523		466° 991		
in Bar. 30° 10. Ther. 53° 0. Run + 3° 6. Images 1-2. Steadiness 1-2.													
α_2 Centauri.										1882, August 14.			
α^1										β^1			
h	m	r	r	r		h	m	r	r		r		
17	33° 9	234° 558	232° 170	466° 941		17	42° 5	211° 177	213° 519		424° 889		
17	59° 8	232° 184	234° 552	466° 977		17	50° 7	213° 521	211° 142		424° 864		
18	6° 9	234° 550	232° 165	466° 965		18	14° 6	211° 130	213° 512		424° 868		
18	33° 6	232° 205	234° 518	467° 009		18	23° 0	213° 518	211° 136		424° 889		
in Bar. 30° 43. Ther. 52° 9. Run + 2° 8. Images 1. Steadiness 1-2.													
α_2 Centauri.										1882, August 16.			
β^1										α^1			
h	m	r	r	r		h	m	r	r		r		
17	49° 3	213° 554	211° 138	424° 892		17	57° 4	232° 198	234° 549		466° 986		
18	14° 3	211° 128	213° 523	424° 876		18	5° 1	234° 575	232° 189		467° 012		
18	26° 0	213° 532	211° 134	424° 904		18	37° 5	232° 150	234° 524		466° 967		
19	4° 9	211° 113	213° 495	424° 897		18	53° 6	234° 530	232° 127		466° 976		
in Bar. 30° 44. Ther. 52° 0. Run + 2° 5. Images 1-2. Steadiness 1-2.													
α_2 Eridani.										1882, August 16.			
α										β			
h	m	r	r	r		h	m	r	r		r		
0	52° 8	244° 512	242° 161	487° 022		1	7° 7	251° 297	253° 677		505° 322		
1	40° 0	242° 228	244° 640	487° 123		1	24° 2	253° 692	251° 314		505° 316		
in Bar. 30° 42. Ther. 49° 0. Run + 4° 6. Images 2-3. Steadiness 3.													
ϵ Indi.										1882, August 16.			
α										β			
h	m	r	r	r		h	m	r	r		r		
2	3° 2	84° 164	81° 780	166° 048		2	15° 0	101° 250	103° 679		205° 060		
2	46° 6	81° 740	84° 128	165° 999		2	34° 7	103° 644	101° 244		205° 035		
2	54° 0	84° 127	81° 752	166° 013		3	7° 8	101° 239	103° 625		205° 048		
3	29° 8	81° 732	84° 110	166° 011		3	20° 2	103° 651	101° 228		205° 080		
in Bar. 30° 41. Ther. 49° 5. Run + 4° 5. Images 3. Steadiness 3.													

ϵ Indi.

1882, August 17.

 α β

h	m	r	r	h	m	r	r	h
17	33°0	81°784	84°157	166°047		17	44°1	103°656
18	5°4	84°154	81°769	166°013		17	55°6	101°283
18	15°0	81°787	84°150	166°023		18	28°0	103°646
18	52°5	84°172	81°788	166°032		18	40°5	101°258

in

Bar. 30°36.

Ther. 58°0.

Run + 4°1.

Images 3.

Steadiness 3.

 α_2 Centauri.

1882, August 18.

 α β

h	m	r	r	h	m	r	r	h
17	30°5	147°775	150°141	298°004		17	42°3	120°340
18	7°5	150°168	147°771	298°037		17	56°0	117°943
18	23°7	147°669	150°053	297°827		18	33°1	120°354
18	51°0	150°066	147°658	297°846		18	42°6	117°894

in

Bar. 30°24.

Ther. 52°5.

Run + 2°9.

Images 2-3.

Steadiness 2-3.

 β Centauri.

1882, August 18.

*

h	m	r	r	h
19	2°1	35°742	38°134	73°935
19	10°3	38°116	35°732	73°909

in

Bar. 30°23.

Ther. 48°0.

Run + 2°4.

 α_2 Centauri.

1882, August 19.

 β α

h	m	r	r	h	m	r	r	h
18	0°7	117°909	120°282	238°266		18	8°6	150°068
18	25°8	120°271	117°899	238°253		18	17°0	147°672
18	31°8	117°878	120°284	238°247		18	38°1	150°060
18	59°3	120°268	117°907	238°275		18	50°9	147°660

in

Bar. 30°12.

Ther. 52°0.

Run + 3°4.

Images 2-3.

Steadiness 3.

 β Centauri.

1882, August 19.

*

h	m	r	r	h
19	13°8	35°750	38°136	73°949
19	25°1	38°110	35°754	73°932

in

Bar. 30°12.

Ther. 50°0.

Run + 4°4.

Images 2-3.

Steadiness 2-3.

Sirius. 1882, August 19.

 β

h	m	r	h	m	r	h	m	r
1	59.5	139.774	142.171	282.026		2	13.2	144.336
2	34.8	142.145	139.764	281.989	2 24.0	141.942	144.347	286.376
2	41.9	139.768	142.164	282.012	2 51.4	144.336	141.974	286.395
3	17.6	142.164	139.742	281.986	3 5.3	141.947	144.375	286.406

in Bar. 30° 10. Ther. 51° 5. Run + 4° 6. Images 3. Steadiness 3.

 β Centauri. 1882, August 21.

*

h	m	r	h	m	r
18	24.6	38.134	35	737	73.916
18	33.5	35.772	38	119	73.940

in Bar. 30° 23. Ther. 54° 0. Run + 4° 2. Images 2. Steadiness 2-3.

 α_2 Centauri. 1882, August 21. α

h	m	r	h	m	r	h	m	r
18	46.0	150.026	147.675	297.819	18	55.4	117.889	120.270
19	19.0	147.627	150.034	297.807	19	7.5	120.297	117.884
19	26.4	150.047	147.634	297.836	19	34.6	117.891	120.261
19	52.7	147.640	150.004	297.832	19	45.4	120.236	117.839

in Bar. 30° 23. Ther. 53° 0. Run + 2° 9. Images 1-2. Steadiness 2-3.

 ϵ Indi. 1882, August 22. β

h	m	r	h	m	r	h	m	r
17	55.4	101.262	103.670	205.051	18	5.3	84.137	81.747
18	23.3	103.662	101.292	205.060	18	14.2	81.799	84.144
18	31.6	101.291	103.672	205.065	18	42.8	84.152	81.767
18	56.9	103.673	101.285	205.049	18	50.5	81.770	84.165

in Bar. 30° 21. Ther. 58° 15. Run + 3° 8.

 α_2 Centauri. 1882, August 23. β

h	m	r	h	m	r	h	m	r
17	52.0	117.913	120.296	238.283	18	4.1	150.058	147.680
18	25.2	120.289	117.888	238.260	18	13.9	147.642	150.049

in Bar. 30° 10. Ther. 51° 0. Run + 2° 2. Images 2. Steadiness 2-3.

β Centauri.

1882, August 23.

*

h	m	r	h	m	r
18	37.3	38.136	35	729	73.915
18	46.7	35.735	38	134	73.921

in Bar. 30° 11.

Ther. 50° 0.

Run + 5.5.

Images 2.

Steadiness 2.

 ϵ Indi.

1882, August 24.

 β α

h	m	r	h	m	r
17	49.9	103.667	101	281	205.071
18	18.8	101.295	103	664	205.067

in Bar. 30° 13.

Ther. 55° 0.

Run + 5.2.

Images 1.

Steadiness 1-2.

 ϵ Indi.

1882, August 26.

 α β

h	m	r	h	m	r	R
18	3.2	84.210	81	737	166.039	
18	32.1	81.768	84	196	166.043	
18	42.0	84.209	81	741	166.025	
19	10.8	81.735	84	205	166.005	

in Bar. 30° 17.

Ther. 55° 0.

Run + 6.1.

 ϵ Indi.

1882, August 31.

 β α

h	m	r	h	m	r	R
18	4.0	101.242	103	689	205.048	
18	26.6	103.693	101	236	205.035	
18	36.6	101.270	103	666	205.068	
19	2.0	103.712	101	266	205.065	

in Bar. 30° 43.

Ther. 52° 0.

Run + 4.9.

Images 2.

Steadiness 2.

 α_2 Centauri.

1882, September 1.

 α β

h	m	r	h	m	r	R
18	7.2	150.095	147	619	297.812	
18	39.5	147.618	150	086	297.819	
18	46.4	150.101	147	624	297.844	
19	18.4	147.638	150	089	297.873	

in Bar. 30° 24.

Ther. 48° 8.

Run + 4.2.

Images 2.

Steadiness 2-3.

α_2 Centauri.

1882, September 8.

 β

h	m	r	r	^R	h	m	r	r	^R
18	13.3	117.880	120.327	238.286	18	25.6	150.068	147.623	297.797
18	52.5	120.316	117.867	238.279	18	41.7	147.608	150.083	297.806
19	0.8	117.859	120.322	238.281	19	11.8	150.078	147.589	297.806
19	34.4	120.306	117.842	238.277	19	24.2	147.612	150.047	297.811

in

Bar. 30° 27.

Ther. 55° 9.

Run + 3° 3.

 α

Images 2.

Steadiness 3.

 ϵ Indi.

1882, September 12.

 α β

h	m	r	r	^R	h	m	r	r	^R
18	16.8	84.197	81.747	166.029	18	28.0	101.230	103.695	205.029

in

Bar. 30° 12.

Ther. 57° 0.

Run + 3° 4.

 α_2 Centauri.

1882, September 14.

 α β

h	m	r	r	^R	h	m	r	r	^R
18	31.3	147.613	150.089	297.810	18	39.3	120.321	117.858	238.267
18	56.3	150.088	147.616	297.828	18	48.7	117.870	120.312	238.275
19	4.5	147.616	150.085	297.832	19	14.8	120.324	117.868	238.300
19	32.8	150.060	147.581	297.803	19	24.3	117.852	120.326	238.295

in

Bar. 30° 14.

Ther. 56° 5.

Run + 4° 1.

Images 1-2.

Steadiness 1-2.

 ϵ Indi.

1882, September 22.

 α β

h	m	r	r	^R	h	m	r	r	^R
19	10.5	84.203	81.752	166.020	19	19.5	101.253	103.713	205.051
19	37.6	81.758	84.219	166.036	19	28.7	103.717	101.243	205.043

in

Bar. 30° 24.

Ther. 56° 3.

Run + 4° 2.

 α_2 Centauri.

1882, September 25.

 α β

h	m	r	r	^R	h	m	r	r	^R
19	35.3	147.611	150.041	297.817	19	44.2	120.309	117.851	238.297
20	4.6	150.052	147.595	297.858	19	54.2	117.843	120.291	238.283

in

Bar. 30° 10.

Ther. 54° 0.

Run + 5° 8.

α_2 Centauri.

1882, October 1.

 β

h	m	r	r	R	h	m	r	r	R
20	8.2	117.802	120.273	238.244	20	16.1	149.991	147.558	297.786
20	33.8	120.242	117.788	238.244	20	25.6	147.539	149.991	297.790
20	41.0	117.789	120.259	238.272	20	49.8	149.929	147.455	297.716
21	12.1	120.211	117.701	238.227	21	2.3	147.499	149.879	297.757

in Bar. 30°37. Ther. 55°0. Run + 3°3. Images 1-2. Steadiness 2.

 α α_2 Centauri.

1882, October 2.

 β

h	m	r	r	R	h	m	r	r	R
19	50.8	147.592	150.037	297.815	20	1.8	120.262	117.693	238.113
20	16.4	149.996	147.535	297.766	20	10.2	117.828	120.274	238.272
20	24.7	147.559	149.987	297.800	20	33.9	120.279	117.790	238.280
20	50.0	149.987	147.517	297.832	20	42.2	117.760	120.244	238.234

in Bar. 30°19. Ther. 58°8. Run + 3°7. Images 2. Steadiness 2.

 α ϵ Indi.

1882, November 9.

 β

h	m	r	r	R	h	m	r	r	R
1	23.3	84.210	81.808	166.101	1	33.0	101.226	103.683	205.010
1	51.8	81.777	84.200	166.073	1	43.4	103.677	101.227	205.011
1	58.9	84.206	81.793	166.098	2	13.4	101.228	103.672	205.027

in Bar. (30°13). Ther. 55°0. Run + 4°3. Images 1. Steadiness 1.

 α

Sirius.

1882, November 9.

 β

h	m	r	r	R	h	m	r	r	R
3	53.1	144.412	141.950	286.448	4	9.2	139.703	142.177	281.959
4	29.6	141.967	144.395	286.445	4	20.2	142.177	139.755	282.011

in Bar. 30°13. Ther. 54°5. Run + 3°8. Images 1-2. Steadiness 1-2.

 α

Sirius.

1882, November 16.

 β

h	m	r	r	R	h	m	r	r	R
2	20.8	141.925	144.355	286.387	2	27.6	142.125	139.720	281.925
2	43.3	144.401	141.926	286.426	2	35.7	139.701	142.151	281.932
2	49.4	141.931	144.361	286.389	2	57.8	142.168	139.735	281.983
3	13.9	144.359	141.959	286.410	3	5.9	139.716	142.151	281.947

in Bar. 30°28. Ther. 55°5. Run + 3°2. Images 1-2. Steadiness 1-2.

ε Indi.

1882, November 18.

β

h	m	r	h	m	r
1 39' 9	103' 647	101' 240	204' 991		
2 23' 5	101' 239	103' 635	205' 008		

in Bar. 30° 19. Ther. 59° 0. Run + 3° 1. Images 3-4. Steadiness 3-4.

α

Sirius.

1882, November 23.

β

b	m	r	r	h	m	r	r	h
2 52' 3	142' 174	139' 702	281' 956	3 0' 5	141' 940	144' 378	286' 413	
3 18' 7	139' 738	142' 142	281' 960	3 10' 0	144' 375	141' 955	286' 423	
3 28' 3	142' 157	139' 728	281' 965	3 37' 4	141' 952	144' 375	286' 414	
3 53' 5	139' 719	142' 158	281' 957	3 45' 8	144' 393	141' 945	286' 424	

in Bar. 30° 18. Ther. 55° 8. Run + 1° 5. Images 1. Steadiness 1.

α

Lacaille 9352.

1882, November 24.

α

h	m	r	r	h	m	r	r	h
1 42' 1	264' 220	266' 652	531' 068	1 54' 8	172' 228	169' 757	342' 112	
2 11' 6	266' 626	264' 221	531' 063	2 2' 7	169' 778	172' 190	342' 099	
2 17' 6	264' 172	266' 656	531' 049	2 24' 6	172' 176	169' 760	342' 076	
2 45' 8	266' 623	264' 202	531' 072	2 35' 3	169' 772	172' 243	342' 162	

in Bar. (30° 08). Ther. (59° 3). Run + 5° 5. Images 3. Steadiness 3.

β

Sirius.

1882, November 24.

α

h	m	r	r	h	m	r	r	h
3 4' 7	141' 955	144' 388	286' 435	3 13' 0	142' 184	139' 709	281' 972	
3 30' 8	144' 391	141' 964	286' 442	3 22' 9	139' 744	142' 174	281' 997	
3 36' 5	141' 936	144' 391	286' 413	3 44' 9	142' 191	139' 734	282' 004	
3 59' 3	144' 416	141' 952	286' 452	3 52' 5	139' 743	142' 198	282' 020	

in Bar. 30° 08. Ther. 59° 5. Run + 1° 3. Images 3. Steadiness 3.

β

Sirius.

1882, November 25.

α

h	m	r	r	h	m	r	r	h
2 7' 9	141' 936	144' 374	286' 421	2 16' 3	142' 169	139' 726	281' 974	
2 38' 8	144' 362	141' 939	286' 399	2 25' 8	139' 744	142' 165	281' 987	
2 46' 9	141' 952	144' 392	286' 439	2 58' 3	142' 166	139' 735	281' 979	
3 16' 3	144' 399	141' 936	286' 424	3 7' 4	139' 714	142' 170	281' 962	

in Bar. 30° 00. Ther. 60° 5. Run + 2° 7. Images 2-3. Steadiness 2-3.

β

Lacaille 9352.

1882, November 27.

 β

h	m	r	r	R	h	m	r	r	R
1	25'9	172'233	169'794	342'143	1	37'0	264'217	266'661	531'069
2	0'3	169'761	172'232	342'122	1	51'0	266'682	264'223	531'106
2	6'7	172'232	169'764	342'127	2	18'4	264'199	266'645	531'064
2	40'3	169'757	172'211	342'117	2	28'4	266'621	264'165	531'014

in Bar. (30°04'). Ther. 62°5. Run + 5°2. Images 2. Steadiness 2-3.

Sirius.

1882, November 27.

 β

h	m	r	r	R	h	m	r	r	R
3	4'9	142'190	139'716	281'984	3	14'1	141'942	144'380	286'412
3	32'7	139'730	142'182	281'990	3	25'0	144'386	141'961	286'435
3	41'3	142'170	139'722	281'970	3	49'9	141'949	144'405	286'439
4	3'4	139'741	142'183	282'001	3	57'1	144'411	141'948	286'443

in Bar. 30°04'. Ther. 62°0. Run + 2°5. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, November 28.

 β

h	m	r	r	R	h	m	r	r	R
1	49'8	169'791	172'197	342'112	1	57'3	266'689	264'200	531'092
2	18'4	172'241	169'776	342'153	2	6'8	264'196	266'652	531'058
2	25'7	169'763	172'224	342'126	2	36'7	266'664	264'194	531'093
2	57'8	172'233	169'784	342'177	2	45'9	264'203	266'668	531'115

in Bar. (30°07'). Ther. 64°8. Run + 5°2. Images 2-3. Steadiness 2-3.

Sirius.

1882, November 28.

 α

h	m	r	r	R	h	m	r	r	R
3	15'8	141'955	144'393	286'437	3	22'5	142'185	139'746	281'010
3	37'9	144'400	141'958	286'443	3	29'8	139'732	142'171	281'981
3	44'5	141'950	144'391	286'425	3	51'0	142'183	139'727	281'988
4	6'4	144'400	141'952	286'434	4	0'1	139'722	142'185	281'984

in Bar. 30°07'. Ther. 64°0. Run + 3°9. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, November 29.

 α

h	m	r	r	R	h	m	r	r	R
1	27'3	264'179	266'655	531'020	1	36'6	172'264	169'787	342'170
1	54'0	266'644	264'200	531'045	1	45'6	169'755	172'187	342'064
2	2'2	264'237	266'652	531'096	2	9'8	172'234	169'831	342'198
2	28'2	266'720	264'190	531'138	2	19'0	169'743	172'215	342'094

in Bar. 30°13'. Ther. 65°0. Run + 5°8.

Sirius. 1882, December 3.

 β

h	m	r	r	R	h	m	r	r	R
2	37' 3	139' 721	142' 180	281' 980	2	44' 2	144' 388	141' 954	286' 439
3	4' 9	142' 186	139' 713	281' 978	2	55' 7	141' 934	144' 402	286' 430
3	13' 8	139' 717	142' 180	281' 976	3	23' 6	144' 395	141' 952	286' 436
3	40' 2	142' 184	139' 746	282' 009	3	32' 7	141' 950	144' 394	286' 433

in Bar. 30° 22. Ther. 60° 0. Run + 3° 9. Images 1-2. Steadiness 2.

Lacaille 9352.

1882, December 4.

 β

h	m	r	r	R	h	m	r	r	R
1	38' 0	169' 754	172' 227	342' 102	1	48' 9	266' 647	264' 190	531' 038
2	7' 0	172' 213	169' 757	342' 103	1	57' 6	264' 184	266' 641	531' 032
2	12' 4	169' 741	172' 206	342' 083	2	21' 8	266' 637	264' 164	531' 027
2	41' 4	172' 211	169' 725	342' 087	2	33' 7	264' 153	266' 651	531' 041

in Bar. (30° 23). Ther. (58° 7). Run + 5° 0. Images 1-2. Steadiness 1-2.

Sirius.

1882, December 4.

 α

h	m	r	r	R	h	m	r	r	R
2	58' 9	141' 938	144' 384	286' 416	3	8' 1	142' 145	139' 709	281' 933
3	25' 9	144' 406	141' 934	286' 429	3	18' 5	139' 701	142' 191	281' 971
3	30' 7	141' 919	144' 394	286' 401	3	38' 9	142' 185	139' 701	281' 965
3	52' 9	144' 408	141' 951	286' 445	3	46' 5	139' 712	142' 175	281' 966

in Bar. 30° 23. Ther. 58° 7. Run + 2° 7. Images 1-2. Steadiness 1-2.

Lacaille 9352.

1882, December 9.

 α

h	m	r	r	R	h	m	r	r	R
2	4' 2	264' 243	266' 670	531' 117	2	12' 3	172' 237	169' 734	342' 102
2	33' 2	266' 702	264' 173	531' 103	2	21' 9	169' 703	172' 232	342' 070
2	42' 0	264' 141	266' 659	531' 037	2	51' 5	172' 219	169' 701	342' 072
3	12' 3	266' 685	264' 159	531' 117	3	1' 0	169' 716	172' 222	342' 099

in Bar. 29° 93. Ther. 70° 5. Run + 6° 1. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, December 13.

 β

h	m	r	r	R	h	m	r	r	R
2	9' 1	172' 211	169' 692	342' 038	2	22' 0	264' 198	266' 657	531' 082
2	26' 2	169' 725	172' 171	342' 039	2	32' 4	266' 671	264' 186	531' 093
2	54' 8	172' 199	169' 733	342' 093	3	6' 7	264' 143	266' 656	531' 075
3	29' 9	169' 711	172' 185	342' 089	3	18' 3	266' 676	264' 165	531' 134

in Bar. 30° 28. Ther. 57° 0. Run + 6° 5. Images 2-3. Steadiness 2-3.

Sirius.										1882, December 18.										
β					α					β			α							
h	m		r		h	m		r		h	m		r		r					
3	11·4		139° 716		142° 190			281° 983		3	23·0		144° 414		141° 944					
3	39·7		142° 215		139° 710			282° 002		3	31·4		141° 941		144° 427					
3	46·5		139° 704		142° 213			281° 994		3	59·4		144° 453		141° 926					
4	19·6		142° 191		139° 717			281° 984		4	10·3		141° 934		144° 421					
in					Bar. 29° 90.					Ther. 70° 0.					Run + 2° 6.					
<hr/>																				
Sirius.										1882, December 24.										
α					β					β			α							
h	m		r		h	m		r		h	m		r		r					
2	37·2		141° 926		144° 407			286° 433		2	45·9		142° 184		139° 731					
3	14·6		144° 438		141° 942			286° 471		2	59·2		139° 722		142° 181					
3	22·6		141° 936		144° 407			286° 432		3	31·7		142° 205		139° 711					
3	56·2		144° 415		141° 943			286° 443		3	42·8		139° 736		142° 180					
in					Bar. 30° 24.					Ther. 56° 8.					Run + 3° 6.					
Sirius.										1882, December 24.										
α					β					β			α							
h	m		r		h	m		r		h	m		r		r					
9	17·9		141° 900		144° 374			286° 411		9	27·9		142° 165		139° 684					
9	54·3		141° 877		144° 303			286° 412		9	45·8		142° 170		139° 668					
10	2·3		144° 375		141° 904			286° 461		10	12·5		139° 671		142° 129					
10	31·5		141° 876		144° 327			286° 441		10	21·2		142° 157		139° 659					
in					Bar. 30° 20.					Ther. 56° 5.					Run + 3° 7.					
α										1883, February 6.										
α					β					β			α							
h	m		r		h	m		r		h	m		r		r					
7	49·8		244° 657		242° 221			487° 015		8	5·5		251° 514		253° 929					
8	30·1		242° 254		244° 680			487° 079		8	18·2		253° 909		251° 518					
in					Bar. 29° 97.					Ther. 65° 8.					Run + 4° 0.					
α										1883, February 6.										
α					β					β			α							
h	m		r		h	m		r		h	m		r		r					
7	26·4		253° 925		251° 556			505° 621		7	38·8		242° 213		244° 620					
8	1·0		251° 518		253° 920			505° 683		7	50·5		244° 590		242° 236					
8	10·6		253° 920		251° 558			505° 625		8	20·6		242° 223		244° 615					
8	43·2		251° 537		253° 936			505° 624		8	31·1		244° 642		242° 215					
in					Bar. 30° 10.					Ther. 66° 5.					Run + 3° 5.					
α										1883, February 10.										
β					α					β			α							
h	m		r		h	m		r		h	m		r		r					
7	26·4		253° 925		251° 556			505° 621		7	38·8		242° 213		244° 620					
8	1·0		251° 518		253° 920			505° 683		7	50·5		244° 590		242° 236					
8	10·6		253° 920		251° 558			505° 625		8	20·6		242° 223		244° 615					
8	43·2		251° 537		253° 936			505° 624		8	31·1		244° 642		242° 215					
in					Bar. 30° 10.					Ther. 66° 5.					Run + 3° 5.					
α										1883, February 10.										
β					α					β			α							
h	m		r		h	m		r		h	m		r		r					
7	26·4		253° 925		251° 556			505° 621		7	38·8		242° 213		244° 620					
8	1·0		251° 518		253° 920			505° 683		7	50·5		244° 590		242° 236					
8	10·6		253° 920		251° 558			505° 625		8	20·6		242° 223		244° 615					
8	43·2		251° 537		253° 936			505° 624		8	31·1		244° 642		242° 215					

o₂ Eridani. 1883, February 11.

α			β		
h	m	r	h	m	r
7 14' 6	244° 635	242° 237	7 23' 3	251° 534	253° 971
7 45' 5	242° 225	244° 639	7 34' 5	253° 928	251° 559
7 56' 1	244° 623	242° 226	8 6' 5	251° 501	253° 920
8 28' 8	242° 215	244° 625	8 16' 2	253° 917	251° 499
in					
Bar. 29° 98.		Ther. 66° 5.	Run + 3° 9.	Images 2.	Steadiness 2-3.

1883, February 11.

 β Centauri.

α			α^2 Centauri.		
h	m	r	h	m	r
9 7' 2	38° 110	35° 740	9 25' 2	150° 040	147° 634
9 15' 3	35° 755	38° 153	9 50' 9	147° 646	150° 052
in					
Bar. 29° 96.		Ther. 63° 0.	Run + 2° 7.	Images 2.	Steadiness 2-3.

1883, February 13.

o₂ Eridani.

β			α		
h	m	r	h	m	r
6 34' 1	253° 921	251° 522	6 44' 4	242° 224	244° 644
7 5' 3	251° 542	253° 916	6 55' 2	244° 615	242° 218
7 13' 3	253° 929	251° 512	7 21' 4	242° 206	244° 621
7 49' 0	251° 510	253° 942	7 34' 6	244° 642	242° 222
in					
Bar. 30° 13.		Ther. 63° 8.	Run + 3° 7.	Images 1-2.	Steadiness 2-3.

1883, February 13.

 α_2 Centauri.

α^1			β^1		
h	m	r	h	m	r
8 52' 1	234° 456	232° 045	9 1' 4	211° 043	213° 451
9 45' 0	232° 116	234° 489	9 22' 6	213° 431	211° 050
9 54' 0	234° 456	232° 113	10 4' 7	211° 083	213° 471
10 31' 2	232° 168	234° 532	10 17' 2	213° 503	211° 102
in					
Bar. 30° 10.		Ther. 64° 0.	Run + 3° 5.	Images 1-2.	Steadiness 2-3.

1883, February 14.

o₂ Eridani.

α			β		
h	m	r	h	m	r
6 30' 1	244° 616	242° 207	6 41' 4	251° 558	253° 943
7 7' 7	242° 231	244° 629	6 53' 2	253° 955	251° 532
7 15' 9	244° 647	242° 192	7 27' 5	251° 545	253° 926
8 0' 3	242° 220	244° 627	7 43' 0	253° 945	251° 562
in					
Bar. 30° 12.		Ther. 64° 0.	Run + 4° 0.	Images 2-3.	Steadiness 2-3.

α_2 Centauri.

1883, February 14.

 β^1

h	m	r	h	m	r	h	m	r	
8 48' 8	213	382	211	001	424	808	9 3' 4	232	067
9 24' 1	211	052	213	452	424	857	9 14' 2	234	466
9 32' 7	213	407	211	067	424	871	9 46' 9	232	099
10 9' 8	211	079	213	479	424	836	9 57' 1	234	502

 α

in Bar. 30° 12. Ther. 63° 5. Run + 3° 7.

 α_2 Eridani.

1883, February 15.

 β

h	m	r	h	m	r	h	m	r	
6 48' 5	251	521	253	944	505	605	7 0' 9	244	629
7 23' 6	253	956	251	539	505	636	7 12' 9	242	224

 α

in Bar. 30° 18. Ther. 62° 8. Run + 3° 4. Images 2-3. Steadiness 2-3.

 α_2 Eridani.

1883, February 18.

 α

h	m	r	h	m	r	h	m	r	
6 35' 8	242	214	244	627	486	970	6 51' 2	253	942
7 17' 3	244	608	242	220	486	959	7 4' 9	251	546
7 26' 6	242	206	244	642	486	980	7 38' 5	253	934

 β

in Bar. 29° 89. Ther. 77° 8. Run + 4° 1. Images 3. Steadiness 3.

 β Centauri.

1883, February 18.

*

h	m	r	h	m	r	
9 27' 3	35	747	38	130	73	920
9 38' 3	38	132	35	747	73	921

in Bar. 29° 88. Ther. 72° 0. Run + 4° 2. Images 2-3. Steadiness 2.

 α^2 Centauri.

1883, February 18.

 β

h	m	r	h	m	r	h	m	r	
9 49' 5	117	879	120	262	238	240	9 57' 7	150	016
10 20' 4	120	277	117	886	238	263	10 8' 3	147	664

 α

in Bar. 29° 88. Ther. 66° 0. Run + 4° 1. Images 2. Steadiness 2.

α_2 Eridani.

1883, February 19.

 β α

h	m	r	h	m	r	h	m	r	
6	51.3	253.932	251.566	505.634	7	0.8	242.206	244.614	486.951
7	23.6	251.537	253.954	505.628	7	9.9	244.591	242.195	486.918
7	34.9	253.929	251.523	505.590	7	45.2	242.212	244.621	486.967

in Bar. 29.92. Ther. 72°.8. Run + 5°.5. Images 2-3. Steadiness 2-3.

Sirius.

1883, February 20.

 β α

h	m	r	h	m	r	h	m	r	
9	22.2	139.750	142.146	282.018	9	30.3	144.350	141.966	286.459
9	48.3	142.146	139.750	282.038	9	39.7	141.954	144.353	286.459
9	55.0	139.748	142.146	282.042	10	4.5	144.342	141.832	(286.354)

in Bar. 29.85. Ther. 64°.8. Run + 3°.0. Images 1-2. Steadiness 1-2.

Sirius.

1883, February 21.

 α β

h	m	r	h	m	r	h	m	r	
8	31.6	141.962	144.358	286.425	8	44.1	142.153	139.762	282.021
9	6.0	144.356	141.958	286.440	8	56.8	139.755	142.150	282.016

in Bar. 29.95. Ther. 60°.0. Run + 4°.3.

 α_2 Centauri.

1883, February 26.

 β^1 α^1

h	m	r	h	m	r	h	m	r	
10	39.0	213.492	211.104	424.835	10	52.0	232.127	234.514	466.876
11	23.5	211.126	213.535	424.855	11	8.9	234.517	232.142	466.877

in Bar. 29.95. Ther. 65°.3. Run + 4°.0. Images 1-2. Steadiness 2.

 α_2 Centauri.

1883, February 28.

 α^1 β^1

h	m	r	h	m	r	h	m	r	
10	17.1	232.124	234.510	466.911	10	26.0	213.497	211.106	424.858
10	48.3	234.511	232.132	466.884	10	39.1	211.080	213.520	424.841
10	59.8	232.129	234.527	466.884	11	11.4	213.519	211.107	424.864

in Bar. 30.13. Ther. 63°.3. Run + 3°.6.

α_2 Centauri.

1883, March 1.

 β^1 α^1

h	m	r	r	R	h	m	r	r	R
9	55' 2	211° 102	213° 482	424° 882	10	5' 7	234° 486	232° 080	466° 857
10	33' 2	213° 520	211° 113	424° 880	10	21' 3	232° 107	234° 477	466° 854
10	46' 5	211° 122	213° 528	424° 881	11	0' 2	234° 501	232° 137	466° 865
11	28' 9	213° 541	211° 156	424° 887	11	15' 1	232° 145	234° 484	466° 842

in
Bar. 30° 07. Ther. 64° 5. Run + 3° 9. Images 2-3. Steadiness 2-3.

Sirius.

1883, March 3.

 α β

h	m	r	r	R	h	m	r	r	R
9	36' 3	141° 958	144° 339	286° 445	9	44' 1	142° 147	139° 735	282° 021
9	59' 3	144° 338	141° 934	286° 446	9	50' 7	139° 738	142° 138	282° 021
10	7' 9	141° 942	144° 310	286° 438	10	16' 0	142° 138	139° 723	282° 024
10	36' 6	144° 286	141° 886	286° 416	10	26' 3	139° 722	142° 116	282° 025

in
Bar. 30° 20. Ther. 66° 5. Run + 3° 6. Images 2. Steadiness 2. α_2 Centauri.

1883, March 3.

 α^1 β^1

h	m	r	r	R	h	m	r	r	R
10	55' 4	232° 129	234° 500	466° 862	11	7' 6	213° 538	211° 107	424° 855
11	31' 1	234° 550	232° 163	466° 916	11	20' 2	211° 156	213° 539	424° 892

in
Bar. 30° 20. Ther. 66° 0. Run + 3° 4. Images 2. Steadiness 2.

Sirius.

1883, March 4.

 β α

h	m	r	r	R	h	m	r	r	R
9	26' 3	142° 139	139° 753	282° 017	9	35' 2	141° 942	144° 333	286° 423
9	53' 0	139° 743	142° 153	282° 043	9	44' 1	144° 349	141° 959	286° 464
10	1' 2	142° 148	139° 734	282° 036	10	13' 2	141° 917	144° 300	286° 420
10	32' 6	139° 722	142° 102	282° 022	10	23' 2	144° 307	141° 909	286° 429

in
Bar. 30° 12. Ther. 67° 3. Run + 3° 9. α_2 Centauri.

1883, March 6.

 β^1 α^1

h	m	r	r	R	h	m	r	r	R
10	37' 4	213° 507	211° 112	424° 860	10	52' 6	232° 109	234° 510	466° 853
11	14' 0	211° 130	213° 530	424° 862	11	1' 6	234° 531	232° 114	466° 869
11	23' 7	213° 544	211° 173	424° 911	11	35' 8	232° 140	234° 551	466° 886
12	6' 4	211° 140	213° 536	424° 837	11	52' 0	234° 534	232° 143	466° 859

in
Bar. 29° 92. Ther. 65° 0. Run + 3° 2.

α_2 Centauri.

1883, March 8.

 α

h	m	r	r	R	h	m	r	r	R
10	33.5	147.637	150.027	297.789	10	42.6	120.258	117.874	238.234
11	5.0	150.022	147.743	297.889	10	51.3	117.906	120.269	238.276
11	19.2	117.626	150.122	297.871	11	40.0	120.289	117.887	238.274
11	58.8	150.015	147.626	297.759	11	49.8	117.877	120.279	238.253

in
Bar. 30° 17. Ther. 60° 0. Run + 4° 1. Images 3. Steadiness 3-4. β β Centauri.

1883, March 8.

*

h	m	r	r	R
12	14.0	35.757	38.132	73.915
12	28.9	38.141	35.749	73.917

in
Bar. 30° 17. Ther. 60° 0. Run + 3° 0. Images 3. Steadiness 3. α_2 Centauri.

1883, March 27.

 β

h	m	r	r	R	h	m	r	r	R
11	8.1	120.269	117.884	238.253	11	17.4	147.615	150.015	297.752
11	38.8	117.889	120.271	238.257	11	27.9	150.020	147.623	297.763
11	47.1	120.278	117.885	238.260	12	2.0	147.618	150.018	297.753
12	26.5	117.886	120.284	238.263	12	16.9	150.021	147.631	297.767

in
Bar. 30° 08. Ther. 63° 0. Run + 4° 3. Images 2. Steadiness 2. α α_2 Centauri.

1883, April 5.

 α

h	m	r	r	R	h	m	r	r	R
9	28.3	147.624	150.015	297.762	9	39.5	120.287	117.883	238.271
10	3.0	150.011	147.627	297.763	9	51.5	117.873	120.269	238.244
10	14.8	147.631	150.026	297.783	10	26.5	120.287	117.888	238.278
10	49.9	150.027	147.628	297.780	10	40.9	117.889	120.271	238.263

in
Bar. 30° 14. Ther. 55° 0. Run + 4° 3. Images 2-3. Steadiness 2-3. β α_2 Centauri.

1883, April 5.

 α

h	m	r	r	R	h	m	r	r	R
17	11.8	147.606	150.032	297.722	17	26.0	120.309	117.896	238.273
17	47.0	150.007	147.630	297.728	17	36.8	117.913	120.304	238.286
17	55.0	147.630	150.025	297.748	18	5.2	120.317	117.919	238.312
18	29.5	150.027	147.604	297.738	18	17.9	117.901	120.299	238.279

in
Bar. 30° 09. Ther. 57° 3. Run + 3° 8. Images 2-3. Steadiness 2-3. β

α_2 Centauri.

1883, April 9.

 β α

h	m	r	h	m	r
17	22.4	117.935	120.311	238.317	17 36.0
18	7.6	120.331	117.908	238.316	17 52.8

in Bar. 30°.23. Ther. 50°.3. Run + 4°.9. Images 3. Steadiness 3.

 α_2 Centauri.

1883, April 11.

 α β

h	m	r	h	m	r
17	24.0	150.033	147.623	297.743	17 34.1
18	4.3	147.628	150.017	297.743	17 48.8
18	16.3	150.021	147.632	297.755	18 25.9
18	53.8	147.602	150.020	297.746	18 40.2

in Bar. 30°.16. Ther. 51°.3. Run + 3°.9. Images 1-2. Steadiness 2-3.

 α_2 Centauri.

1883, April 15.

 β α

h	m	r	h	m	r
10	25.5	120.307	117.901	238.309	10 37.1
10	57.8	117.895	120.324	238.319	10 46.6
11	5.8	120.301	117.904	238.305	11 18.2
11	39.5	117.897	120.293	238.287	11 29.9

in Bar. 30°.13. Ther. 66°.3. Run + 3°.4. Images 2. Steadiness 2.

 α_2 Centauri.

1883, April 15.

 β α

h	m	r	h	m	r
17	13.0	120.306	117.928	238.301	17 29.2
17	54.6	117.924	120.329	238.325	17 42.3

in Bar. 30°.08. Ther. 62°.3. Run + 3°.6. Images 2-3. Steadiness 3.

 α_2 Centauri.

1883, April 16.

 α β

h	m	r	h	m	r
11	12.7	150.019	147.625	297.767	11 21.9
11	44.9	147.621	150.031	297.770	11 32.4

in Bar. 30°.06. Ther. 62°.0. Run + 4°.4.

α_2 Centauri.

1883, April 23.

 α β

h	m	r	r	R	h	m	r	r	R
9	50'6	150'006	147'611	297'741	10	2'0	117'899	120'284	238'284
10	21'5	147'621	150'019	297'765	10	11'8	120'286	117'890	238'277
10	29'2	150'006	147'628	297'759	10	39'5	117'897	120'288	238'287
10	56'8	147'612	150'031	297'767	10	49'4	120'294	117'905	238'300

in

Bar. 29'95.

Ther. 56°8.

Run + 4'3.

Images 1-2.

Steadiness 2-3.

 α_2 Centauri.

1883, April 23.

 α β

h	m	r	r	R	h	m	r	r	R
18	58'3	149'994	147'592	297'710	19	9'5	117'899	120'293	238'296
19	30'9	147'579	149'992	297'728	19	20'5	120'303	117'899	238'315
19	41'2	149'988	147'592	297'751	19	49'9	117'894	120'286	238'321
20	9'4	147'536	149'952	297'706	19	59'0	120'284	117'873	238'310

in

Bar. 29'87.

Ther. 57°0.

Run + 4'4.

Images 2.

Steadiness 2.

 α_2 Centauri.

1883, April 28.

 β α

h	m	r	r	R	h	m	r	r	R
17	53'8	117'910	120'309	238'292	18	3'1	150'000	147'624	297'720
18	23'5	120'315	117'939	238'336	18	13'5	147'620	150'005	297'725
18	34'7	117'924	120'324	238'335	18	44'3	150'009	147'611	297'736
19	4'7	120'310	117'916	238'328	18	55'9	147'597	150'003	297'725

in

Bar. 30'18.

Ther. 56°0.

Run + 2'5.

Images 1-2.

Steadiness 2.

Lacaille 9352.

1883, April 28.

 α β

h	m	r	r	R	h	m	r	r	R
19	19'7	264'300	266'680	531'253	19	27'2	172'008	169'616	341'800
19	46'1	266'721	264'340	531'293	19	34'8	169'641	172'020	341'829
19	56'6	264'318	266'741	531'279	20	5'0	172'051	169'643	341'836
20	22'9	266'718	264'323	531'237	20	13'7	169'662	172'041	341'838

in

Bar. 30'18.

Ther. 56°0.

Run + 5'9.

Sirius.

1883, April 30.

 α β

h	m	r	r	R	h	m	r	r	R
10	5'1	144'320	141'927	286'432	10	14'4	139'734	142'135	282'042
10	34'1	141'918	144'308	286'467	10	24'5	142'120	139'730	282'038
10	39'8	144'303	141'876	286'437	10	48'3	139'717	142'120	282'071
11	4'9	141'858	144'227	286'433	10	56'1	142'096	139'725	282'077

in

Bar. 30'14.

Ther. 58°3.

Run + 3'6.

Images 2-3.

Steadiness 3.

Lacaille 9352.

1883, April 30.

 β

h	m	r	r	R	h	m	r	r	R
18	49.5	171.990	169.602	341.828	19	1.6	264.287	266.665	531.265
19	24.0	169.623	172.004	341.808	19	13.6	266.683	264.322	531.292
19	30.6	172.008	169.615	341.797	19	40.2	264.290	266.707	531.240
19	58.1	169.628	172.043	341.821	19	50.7	266.697	264.337	531.264

in
Bar. 30°.09.

Ther. 49°.5.

Run + 5°.8.

Images 2.

Steadiness 2.

 α

Sirius.

1883, May 1.

 β

h	m	r	r	R	h	m	r	r	R
9	46.0	142.166	139.777	282.085	9	54.3	141.929	144.336	286.435
10	16.0	139.743	142.137	282.054	10	3.1	144.320	(142.221)	(286.721)
10	25.0	142.137	139.745	282.070	10	33.6	141.902	144.256	286.397
10	55.2	139.712	142.110	282.072	10	43.5	144.298	141.898	286.460

in
Bar. 30°.08.

Ther. 60°.8.

Run + 3°.6.

Images 2-3.

 α

Sirius.

1883, May 8.

 α

h	m	r	r	R	h	m	r	r	R
9	8.0	141.958	144.357	286.441	9	15.8	142.150	139.765	282.034
9	32.2	144.341	141.958	286.443	9	23.1	139.770	142.156	282.049

in
Bar. 30°.05.

Ther. 67°.0.

Run + 3°.2.

Images 1.

Steadiness 2.

 β

Sirius.

1883, May 12.

 β

h	m	r	r	R	h	m	r	r	R
9	6.0	142.155	139.762	282.035	9	19.3	141.973	144.319	286.431
9	44.0	139.757	142.150	282.050	9	29.9	144.311	141.949	286.407
9	54.7	142.134	139.756	282.043	10	5.6	141.916	144.331	286.436

in
Bar. 30°.35.

Ther. 54°.5.

Run + 3°.9.

 α α_2 Centauri.

1883, May 12.

 α

h	m	r	r	R	h	m	r	r	R
11	32.2	149.968	147.614	297.707	11	37.1	117.908	120.322	238.332
11	51.7	147.608	150.031	297.761	11	44.2	120.308	117.930	238.339
11	58.3	150.003	147.631	297.755	12	5.9	117.917	120.300	238.315
12	25.1	147.593	150.000	297.711	12	14.8	120.310	117.933	238.340

in
Bar. 30°.35.

Ther. 50°.3.

Run + 4°.5.

Images 1-2.

Steadiness 3.

 β

α₂ Centauri. 1883, May 12.

α			β		
h 17 25.3	m 149.977	r 147.607	h 17 36.0	m 117.942	r 120.331
17 57.4	147.035	149.991	17 47.4	120.336	117.902
18 11.2	150.004	147.624	18 22.7	117.956	120.336
18 46.4	147.606	149.981	18 35.0	120.345	117.934

in Bar. 30°33. Ther. 45°. Run + 6°6. Images 1-2. Steadiness 2-3.

Lacaille 9352. 1883, May 12.

α			β		
h 19 8.1	m 266.709	r 264.311	h 19 17.9	m 169.609	r 171.986
19 41.0	264.321	266.721	19 27.5	172.002	169.642
19 51.7	266.720	264.295	20 2.3	169.617	172.013
20 33.8	264.349	266.736	20 11.7	172.027	169.629

in Bar. 30°30. Ther. 46°. Run + 6°6. Images 1-2. Steadiness 2.

Sirius. 1883, May 13.

β			α		
h 9 2.1	m 142.141	r 139.747	h 9 8.3	m 141.963	r 144.347
9 21.3	139.756	142.158	9 14.4	144.361	141.961

in Bar. 30°15. Ther. 58°5. Run + 4°9. Images 1-2. Steadiness 1-2.

Sirius. 1883, May 19.

α			β		
h 9 26.3	m 144.375	r 141.950	h 9 34.5	m 139.735	r 142.200
9 50.8	141.923	144.364	9 42.5	142.162	139.748
9 57.2	144.370	141.905	10 6.0	139.738	142.170
10 27.5	141.890	144.336	10 15.4	142.159	139.711

in Bar. 30°22. Ther. 51°8. Run + 4°8. Images 2. Steadiness 2.

α₂ Centauri. 1883, May 19.

β			α		
h 11 10.1	m 120.344	r 117.930	h 11 18.2	m 147.601	r 150.026
11 39.9	117.911	120.344	11 29.7	150.027	147.582
11 47.3	120.319	117.904	11 55.4	147.598	150.026
12 19.0	117.892	120.355	12 8.8	150.015	147.595

in Bar. 30°23. Ther. 49°. Run + 3°4. Images 2. Steadiness 2.

Lacaille 9352.

1883, May 19.

 β α

h	m	r	r	R	h	m	r	r	R
19	31.4	172.018	169.594	341.790	19	41.7	264.309	266.734	531.290
20	2.2	169.606	172.043	341.798	19	53.6	266.767	264.326	531.324
20	9.7	172.037	169.617	341.797	20	25.6	264.333	266.775	531.308
20	49.0	169.603	172.041	341.765	20	41.0	266.785	264.331	531.304

in
Bar. 30°.23. Ther. 41°.0. Run + 5°.3.

Sirius.

1883, May 20.

 β α

h	m	r	r	R	h	m	r	r	R
9	36.4	142.172	139.724	282.031	9	46.8	141.923	144.348	286.434
10	7.8	139.725	142.157	282.046	9	54.4	144.368	141.912	286.452
10	17.7	142.149	139.689	282.016	10	25.7	141.895	144.319	286.438
10	45.9	139.691	142.136	282.057	10	34.4	144.316	141.869	286.429

in
Bar. 30°.00. Ther. 53°.0. Run + 3°.3. Images 2-3. Steadiness 2-3. α_2 Centauri.

1883, May 23.

 β α

h	m	r	r	R	h	m	r	r	R
9	46.6	120.339	117.893	238.333	10	0.2	147.608	150.000	297.732
10	18.5	117.909	120.321	238.333	10	10.3	150.001	147.596	297.721
10	26.3	120.350	117.921	238.374	10	38.2	147.591	150.032	297.748
10	57.3	117.903	120.347	238.352	10	47.8	150.035	147.591	297.750

in
Bar. 30°.05. Ther. 55°.3. Run + 4°.3. Images 2. Steadiness 3. α_2 Centauri.

1883, May 23.

 β α

h	m	r	r	R	h	m	r	r	R
16	49.9	120.379	117.929	238.376	16	59.5	147.598	150.036	297.718
17	20.4	117.948	120.364	238.381	17	11.8	150.031	147.622	297.740
17	28.5	120.303	117.937	238.370	17	37.7	147.602	150.036	297.728
17	55.4	117.949	120.363	238.386	17	47.3	150.026	147.595	297.713

in
Bar. 29°.98. Ther. 49°.0. Run + 4°.7. α_2 Centauri.

1883, May 28.

 α^1 β^1

h	m	r	r	R	h	m	r	r	R
17	9.9	234.535	232.095	466.816	17	19.7	211.211	213.649	425.031
17	47.7	232.103	234.477	466.802	17	31.3	213.635	211.227	425.042
17	59.2	234.493	232.090	466.818	18	10.2	211.207	213.622	425.044
18	30.4	232.044	234.476	466.794	18	19.8	213.614	211.195	425.035

in
Bar. 29°.96. Ther. 57°.0. Run + 5°.3. Images 1-2. Steadiness 1-2.

α_2 Centauri.

1883, May 29.

 β^1 α^1

h 16 58.2	m 213.654	r 211.208	β^1 425.023	h 17 19.3	m 232.104	r 234.490	α^1 466.792
17 48.5	211.218	213.625	425.041	17 34.6	234.503	232.107	466.824

in Bar. 30°.34. Ther. 52°.0. Run + 5°.1. Images 1-2. Steadiness 1-2.

 α_2 Centauri.

1883, May 30.

 α^1 β^1

h 10 23.3	m 234.469	r 232.064	α^1 466.807	h 10 33.1	m 211.182	r 213.619	β^1 425.053
10 56.1	232.070	234.491	466.797	10 43.2	213.609	211.160	425.008
11 6.7	234.530	232.088	466.839	11 16.4	211.216	213.644	425.065
11 41.2	232.096	234.526	466.817	11 28.0	213.609	211.236	425.039

in Bar. 30°.15. Ther. 56°.5. Run + 4°.0.

 α_2 Centauri.

1883, May 30.

 α^1 β^1

h 17 16.9	m 234.522	r 232.151	α^1 466.859	h 17 27.5	m 211.241	r 213.623	β^1 425.042
17 47.2	232.072	234.504	466.799	17 39.2	213.629	211.161	424.978
17 55.7	234.493	232.012	466.738	18 12.1	211.131	213.638	424.988
18 34.0	232.060	234.508	466.850	18 21.8	213.628	211.197	425.055

in Bar. 30°.05. Ther. 55°.0. Run + 3°.9.

 α_2 Centauri.

1883, June 4.

 α^1 β^1

h 10 39.2	m 232.097	r 234.498	α^1 466.855	h 10 50.1	m 213.632	r 211.204	β^1 425.072
11 9.5	234.510	232.073	466.809	10 58.9	211.189	213.619	425.034
11 21.7	232.099	234.462	466.776	11 30.6	213.660	211.251	425.106
11 51.7	234.522	232.092	466.805	11 41.7	211.211	213.630	425.026

in Bar. 30°.25. Ther. 49°.8. Run + 5°.4.

 α_2 Centauri.

1883, June 10.

 α^1 β^1

h 10 53.5	m 211.233	r 213.616	α^1 425.081	h 10 59.6	m 234.452	r 232.059	β^1 466.746
11 15.1	213.630	211.187	425.026	11 6.8	232.051	234.484	466.763
11 20.9	211.190	213.625	425.018	11 29.2	234.508	232.078	466.794
11 45.4	213.653	211.225	425.061	11 37.7	232.094	234.543	466.837

in Bar. 30°.34. Ther. 52°.5. Run + 4°.8. Images 2. Steadiness 2.

α_2 Centauri.												1883, June 10.			
β^1						α^1									
h	m	r	r	r	Σ	h	m	r	r	r	Σ				
18	3' 2	211° 202	213° 663	425° 081		18	10' 1	234° 500	232° 048	466° 805					
18	28' 4	213° 604	211° 202	425° 050		18	18' 4	232° 034	234° 498	466° 800					
18	38' 2	211° 171	213° 609	425° 035		18	46' 0	234° 414	232° 020	466° 743					
19	1' 0	213° 636	211° 131	425° 053		18	54' 1	232° 060	234° 482	466° 865					
in Bar. 30° 15. Ther. 42° 3. Run + 4° 4. Images 2-3.						Steadiness 2-3.									
α_2 Centauri.												1883, June 13.			
α^1						β^1									
h	m	r	r	r	Σ	h	m	r	r	r	Σ				
11	10' 4	232° 075	234° 515	466° 817		11	16' 8	213° 631	211° 210	425° 051					
11	32' 5	234° 476	232° 094	466° 778		11	23' 4	211° 237	213° 644	425° 085					
11	39' 9	232° 084	234° 495	466° 781		11	46' 5	213° 652	211° 239	425° 075					
12	1' 5	234° 494	232° 114	466° 793		11	53' 7	211° 233	213° 665	425° 077					
in Bar. 30° 37. Ther. 45° 8. Run + 4° 1. Images 1. Steadiness 2.															
α_2 Centauri.												1883, June 13.			
α^1						β^1									
h	m	r	r	r	Σ	h	m	r	r	r	Σ				
17	53' 0	232° 106	234° 471	466° 817		17	59' 9	213° 655	211° 241	425° 113					
18	17' 0	234° 485	232° 053	466° 810		18	9' 2	211° 203	213° 649	425° 078					
18	22' 8	232° 050	234° 472	466° 802		18	31' 6	213° 620	211° 211	425° 083					
18	55' 3	234° 437	232° 026	466° 794		18	41' 5	211° 213	213° 634	425° 111					
in Bar. 30° 37. Ther. 37° 5. Run + 4° 8. Images 1. Steadiness 1-2.															
α_2 Centauri.												1883, June 18.			
β^1						α^1									
h	m	r	r	r	Σ	h	m	r	r	r	Σ				
11	20' 2	211° 212	213° 622	425° 040		11	25' 4	234° 478	232° 058	466° 749					
11	39' 4	213° 659	211° 243	425° 091		11	32' 6	232° 078	234° 487	466° 771					
11	43' 4	211° 234	213° 646	425° 066		11	50' 5	234° 515	232° 091	466° 798					
12	7' 9	213° 657	211° 242	425° 067		11	59' 6	232° 084	234° 503	466° 772					
in Bar. (30° 32). Ther. 48° 5. Run + 4° 0. Images 1-2. Steadiness 2-3.															
α_2 Centauri.												1883, June 19.			
α^1						β^1									
h	m	r	r	r	Σ	h	m	r	r	r	Σ				
11	27' 6	232° 095	234° 510	466° 814		11	37' 3	213° 622	211° 248	425° 059					
11	49' 1	234° 490	232° 083	466° 765		11	43' 3	211° 235	213° 653	425° 073					
11	56' 0	232° 114	234° 526	466° 827		12	3' 2	213° 669	211° 247	425° 086					
12	17' 5	234° 522	232° 088	466° 782		12	10' 8	211° 253	213° 656	425° 074					
in Bar. 30° 24. Ther. 51° 5. Run + 3° 5. Images 1-2. Steadiness 2.															

α_2 Centauri.

1883, June 19.

 α^1 β^1

h	m	r	r	h	m	r	r	h	m	r	r
17	35'2	232	069	234	487	466	769	17	41'6	213	669
17	58'7	234	497	232	116	466	852	17	49'8	211	210
18	4'1	232	067	234	482	466	795	18	10'5	213	652
18	30'0	234	463	232	035	466	778	18	19'0	211	234

in Bar. 30°30.

Ther. 52°3.

Run + 4°2.

Images 2.

Steadiness 2.

 α_2 Centauri.

1883, June 20.

 β^1 α^1

h	m	r	r	h	m	r	r	h	m	r	r
17	53'9	211	229	213	628	425	060	18	0'3	234	486
18	13'2	213	638	211	198	425	058	18	7'3	232	066
18	19'6	211	222	213	619	425	071	18	27'5	234	482
18	50'0	213	629	211	228	425	124	18	37'5	232	006

in Bar. 30°37.

Ther. 55°0.

Run + 4°0.

Lacaille 9352.

1883, September 13.

 α β

h	m	r	r	h	m	r	r	h	m	r	r
18	46'0	266	793	264	346	531	494	18	53'7	169	513
19	12'8	264	402	266	794	531	488	19	3'5	171	954
19	22'0	266	804	264	394	531	472	19	31'9	169	543
19	55'0	264	429	266	838	531	492	19	43'0	171	967

in Bar. 30°44.

Ther. 52°5.

Run + 6°0.

Images 2.

Steadiness 2.

 β α

h	m	r	r	h	m	r	r	h	m	r	r
18	41'2	171	952	169	509	341	714	18	49'5	264	327
19	6'7	169	513	171	949	341	669	18	59'0	266	793

in Bar. 30°34.

Ther. 53°0.

Run + 6°1.

Images 2.

Steadiness 2.

 β α

h	m	r	r	h	m	r	r	h	m	r	r
2	39'5	171	963	169	546	341	662	2	56'4	264	391
3	21'1	169	517	171	976	341	680	3	11'9	266	832
3	31'3	171	981	169	517	341	695	3	41'3	264	396
4	7'4	169	519	171	937	341	702	3	56'0	266	822

in Bar. 30°25.

Ther. 47°8.

Run + 5°6.

Images 2-3.

Steadiness 2-3.

Lacaille 9352.

1883, September 16.

 α

h	m	r	h	m	r	h	m	r
18	32 ¹	266 ^r 744	264 ^r 372	531 ^r 509	18	57 ⁸	169 ^r 550	171 ^r 937
19	12 ⁸	264 ^r 394	266 ^r 797	531 ^r 478	19	6 ³	171 ^r 922	169 ^r 516
19	20 ⁹	266 ^r 812	264 ^r 378	531 ^r 463	19	31 ³	169 ^r 516	171 ^r 952
19	47 ⁷	264 ^r 386	266 ^r 855	531 ^r 472	19	39 ³	171 ^r 977	169 ^r 501

in Bar. 30° 13. Ther. 54° 5. Run + 5° 2. Images 2-3. Steadiness 2-3.

 β

Lacaille 9352.

1883, September 19.

 β

h	m	r	h	m	r	h	m	r
18	30 ⁶	171 ^r 901	169 ^r 485	341 ^r 665	18	42 ²	264 ^r 346	266 ^r 776
19	1 ⁶	169 ^r 518	171 ^r 905	341 ^r 638	18	52 ⁵	266 ^r 771	264 ^r 366
19	11 ⁸	171 ^r 947	169 ^r 552	341 ^r 608	19	20 ²	264 ^r 380	266 ^r 778
19	52 ⁶	169 ^r 554	171 ^r 953	341 ^r 662	19	42 ⁰	266 ^r 843	264 ^r 461

in Bar. 30° 35. Ther. 52° 5. Run + 6° 8.

 α

Lacaille 9352.

1883, September 19.

 β

h	m	r	h	m	r	h	m	r
2	30 ²	171 ^r 967	169 ^r 551	341 ^r 664	2	44 ⁵	264 ^r 387	266 ^r 818
2	32 ⁰	169 ^r 543	171 ^r 969	341 ^r 661	3	5 ⁵	266 ^r 845	264 ^r 415

in Bar. 30° 27. Ther. 52° 8. Run + 6° 4. Images 3. Steadiness 3.

 α

Lacaille 9352.

1883, September 20.

 β

h	m	r	h	m	r	h	m	r
18	43 ⁹	171 ^r 926	169 ^r 512	341 ^r 682	18	54 ⁸	264 ^r 368	266 ^r 798
19	11 ²	169 ^r 520	171 ^r 975	341 ^r 662	19	3 ⁷	266 ^r 790	264 ^r 399
19	22 ²	171 ^r 947	169 ^r 538	341 ^r 667	19	32 ⁷	264 ^r 435	266 ^r 815
19	55 ⁶	169 ^r 551	171 ^r 961	341 ^r 661	19	43 ³	266 ^r 813	264 ^r 428

in Bar. 30° 13. Ther. 56° 0. Run + 6° 4. Images 2. Steadiness 2.

 α

Lacaille 9352.

1883, September 20.

 β

h	m	r	h	m	r	h	m	r
2	30 ⁰	171 ^r 987	169 ^r 547	341 ^r 680	2	41 ¹	264 ^r 422	266 ^r 816
3	0 ⁴	169 ^r 547	171 ^r 980	341 ^r 693	2	53 ¹	266 ^r 828	264 ^r 429
3	7 ¹	171 ^r 992	169 ^r 507	341 ^r 671	3	19 ⁹	264 ^r 393	266 ^r 812
3	40 ¹	169 ^r 495	171 ^r 950	341 ^r 649	3	31 ⁵	266 ^r 836	264 ^r 398

in Bar. 30° 13. Ther. 53° 8. Run + 5° 7. Images 2. Steadiness 2.

 α

Lacaille 9352.

1883, September 24.

 β

h	m	r	r	R	h	m	r	r	R
18	52'8	171'927	169'510	341'665	19	5'4	264'337	266'802	531'442
19	25'2	169'508	171'958	341'645	19	14'5	266'801	264'367	531'453
19	33'5	171'958	169'544	341'672	19	45'8	264'385	266'816	531'436
20	2'4	169'534	171'942	341'621					

in
Bar. 30°30.

Ther. 56°6.

Run + 6°1.

 α

Lacaille 9352.

1883, September 24.

 β

h	m	r	r	R	h	m	r	r	R
2	32'6	171'972	169'533	341'656	2	41'8	264'431	266'820	531'502
3	0'9	169'515	171'954	341'640	2	52'1	266'828	264'411	531'502
3	10'1	171'948	169'519	341'646	3	21'2	264'369	266'822	531'494
3	42'3	169'509	171'949	341'668	3	31'5	266'793	264'384	531'495

in
Bar. 30°32.

Ther. 46°3.

Run + 5°2.

Images 1-2.

Steadiness 1-2.

 α

Lacaille 9352.

1883, September 25.

 α

h	m	r	r	R	h	m	r	r	R
18	52'3	266'780	264'361	531'473	18	57'4	169'514	171'933	341'666
19	13'3	264'386	266'808	531'478	19	3'4	171'955	169'502	341'666
19	18'1	266'838	264'414	531'528	19	24'9	169'528	171'962	341'668
19	40'5	264'376	266'842	531'458	19	31'7	171'953	169'524	341'648

in
Bar. 30°30.

Ther. 59°0.

Run + 5°6.

Images 2-3.

Steadiness 2-3.

 β α

h	m	r	r	R	h	m	r	r	R
2	50'7	266'870	264'345	531'470	3	6'2	169'546	171'996	341'712
3	35'0	264'420	266'823	531'559	3	21'5	171'945	169'518	341'646

in
Bar. 30°15.

Ther. 56°8.

Run + 7°7.

Images 3.

Steadiness 2.

 β

Lacaille 9352.

1883, September 29.

 β

h	m	r	r	R	h	m	r	r	R
2	29'5	171'984	169'549	341'683	2	39'5	264'417	266'843	531'511
3	4'1	169'523	171'929	341'623	2	50'6	266'838	264'414	531'515
3	11'6	171'964	169'543	341'688	3	21'9	264'407	266'803	531'516
3	42'5	169'524	171'956	341'692	3	32'8	266'841	264'335	531'499

in
Bar. 30°39.

Ther. 43°5.

Run + 6°6.

Images 2-3.

Steadiness 2-3.

 α

Lacaille 9352.

1883, September 30.

 β

h	m	r	h	m	r	h	m	r
19	21	4	169	505	171	941	341	633
19	41	9	171	932	169	534	341	630

Bar. 30° 44.

Ther. 52° 8. Run + 5° 7. Images 3. Steadiness 3.

 α

Lacaille 9352.

1883, October 3.

 β

h	m	r	h	m	r	h	m	r
19	29	8	171	971	169	531	341	672
19	56	3	169	510	171	962	341	618
20	0	8	171	953	169	504	341	599
20	21	5	169	543	171	985	341	657

Bar. 30° 00.

Ther. 62° 4. Run + 4° 9. Images 3. Steadiness 3.

 α

Lacaille 9352.

1883, October 3.

 β

h	m	r	h	m	r	h	m	r
1	26	3	171	978	169	537	341	633
1	54	3	169	537	171	976	341	640
2	2	0	171	998	169	536	341	665
2	27	4	169	542	171	976	341	660

Bar. 29° 96.

Ther. 53° 8. Run + 6° 1. Images 1-2. Steadiness 2.

 α

Lacaille 9352.

1883, October 5.

 α

h	m	r	h	m	r	h	m	r
19	52	5	266	862	264	414	531	501
20	15	6	264	429	266	863	531	493
20	21	1	266	911	264	414	531	522
20	47	9	264	402	266	886	531	467

in

Bar. 30° 32. Ther. 57° 5. Run + 6° 2. Images 3. Steadiness 3.

 β

Lacaille 9352.

1883, October 5.

 α

h	m	r	h	m	r	h	m	r
1	32	9	266	897	264	422	531	512
2	1	6	264	399	266	864	531	474
2	13	8	266	860	264	394	531	474
3	9	0	264	340	266	819	531	438

in

Bar. (30° 32). Ther. 57° 3. Run + 6° 6. Images 2-3. Steadiness 2-3.

 β

Lacaille 9352.

1883, October 12.

 β

h	m	r	r	E	h	m	r	r	E
1	33° 0	171° 991	169° 527	341° 641	1	42° 1	264° 424	266° 890	531° 515
2	2° 7	169° 516	171° 999	341° 650	1	50° 3	266° 890	264° 433	531° 530
2	9° 5	171° 974	169° 524	341° 635	2	23° 2	264° 429	266° 860	531° 521
2	45° 5	169° 520	171° 950	341° 627	2	36° 5	266° 860	264° 408	531° 512

in Bar. 30° 15. Ther. 47° 0. Run + 7° 3. Images 2. Steadiness 2.

Lacaille 9352.

1883, October 14.

 α

h	m	r	r	E	h	m	r	r	E
2	8° 9	264° 407	266° 883	531° 504	2	18° 2	172° 002	169° 518	341° 658
2	33° 5	266° 879	264° 416	531° 530	2	25° 5	169° 520	171° 985	341° 646
2	41° 5	264° 415	266° 883	531° 541	2	51° 3	171° 975	169° 549	341° 681
3	9° 3	266° 867	264° 367	531° 510	2	59° 6	169° 485	171° 990	341° 639

in Bar. 30° 07. Ther. 58° 0. Run + 5° 6.

 ϵ Indi.

1883, October 21.

 α

h	m	r	r	E	h	m	r	r	E
0	47° 6	84° 355	81° 923	166° 349	0	54° 5	101° 050	103° 523	204° 655
1	9° 3	81° 928	84° 370	166° 376	1	2° 0	103° 510	101° 084	204° 679
1	16° 3	84° 352	81° 924	166° 357	1	25° 6	101° 052	103° 531	204° 679
1	46° 3	81° 920	84° 350	166° 364	1	37° 0	103° 550	101° 101	(204° 753)

in Bar. 30° 17. Ther. 54° 5. Run + 3° 8. Images 2-3. Steadiness 3.

 ϵ Indi.

1883, October 22.

 β

h	m	r	r	E	h	m	r	r	E
0	44° 6	103° 513	101° 092	204° 683	0	52° 5	81° 928	84° 362	166° 362
1	5° 9	103° 516	101° 098	204° 701	1	15° 0	81° 936	84° 367	166° 383
1	22° 3	103° 497	101° 086	204° 678	1	29° 3	81° 908	84° 355	166° 349
1	40° 9	101° 071	103° 491	204° 666	1	35° 1	84° 345	81° 927	166° 360

in Bar. 30° 07. Ther. 54° 0. Run + 4° 4. Images 2. Steadiness 2-3.

 ϵ Indi.

1883, October 28.

 α

h	m	r	r	E	h	m	r	r	E
0	53° 9	84° 345	81° 941	166° 358	1	5° 9	101° 065	103° 548	204° 699
1	40° 1	81° 911	84° 354	166° 354	1	24° 3	103° 529	101° 091	204° 715

in Bar. 30° 27. Ther. 62° 3. Run + 5° 3. Images 3. Steadiness 3.

ε Indi.

1883, October 29.

α			β		
h	m	r	h	m	r
1	11'7	81°939	84°367	166°379	103°522
1	37'0	84°376	81°940	166°403	101°059
1	45'7	81°924	84°358	166°372	103°514
2	26'8	84°342	81°917	166°372	101°057

in Bar. 30°04. Ther. 66°5. Run + 5°0. Images 2-3. Steadiness 2-3.

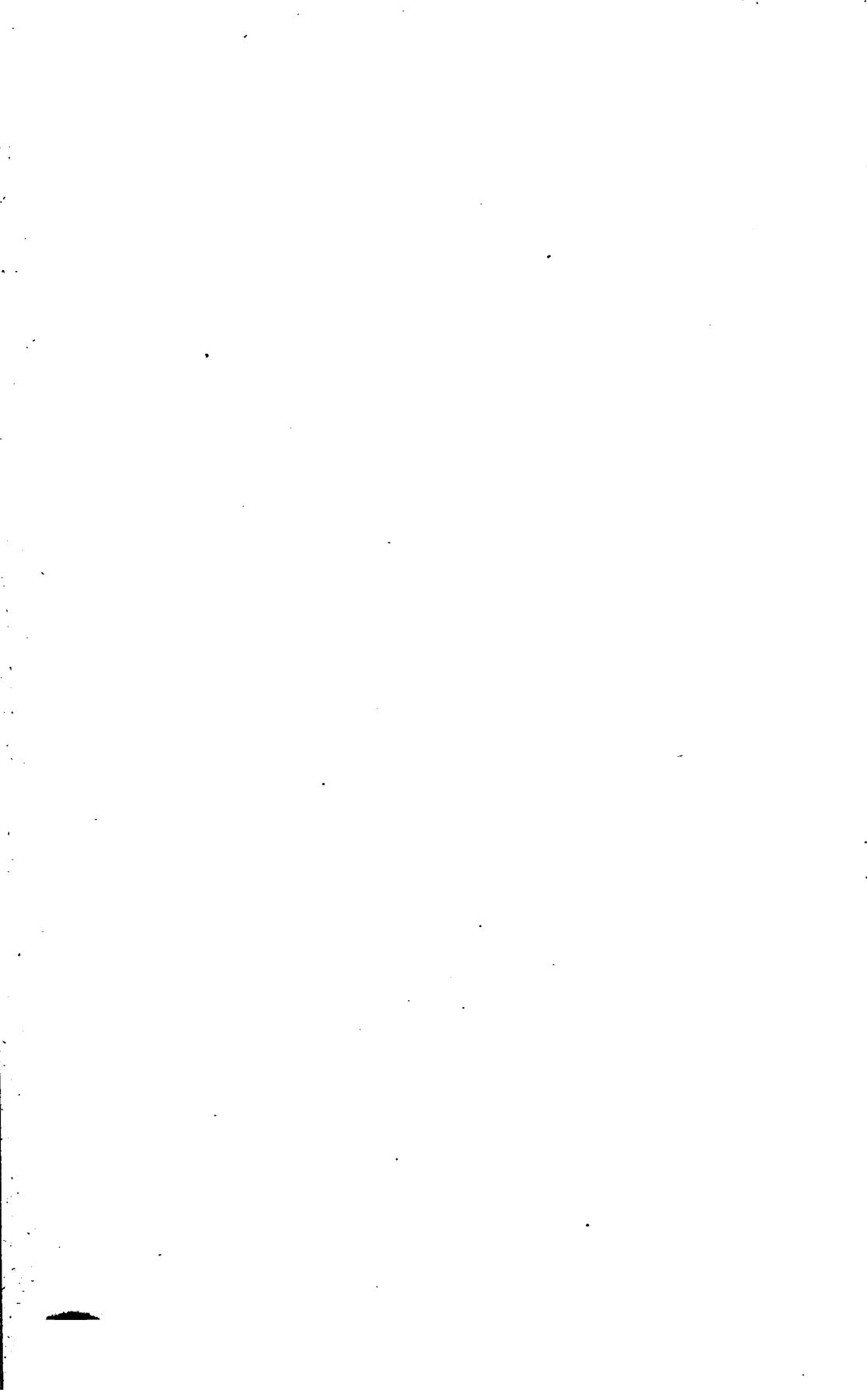
ε Indi.

1883, November 6.

β			α		
h	m	r	h	m	r
1	31'2	101°055	103°480	204°634	84°353
2	6'7	103°515	101°046	204°683	81°937
2	14'3	101°059	103°484	204°670	84°336
2	44'2	103°466	101°045	204°664	81°876

in Bar. 30°20. Ther. 54°0. Run + 4°7. Images 1-2. Steadiness 2.

**ELKIN'S
HELIOMETER OBSERVATIONS.**



HELIOMETER OBSERVATIONS FOR STELLAR PARALLAX.

MR. ELKIN'S OBSERVATIONS.

α_2 Centauri.								1881, March 7.							
<i>a</i>				<i>b</i>											
h	m	r	r	h	m	r	r	h	m	r	r				
8 38.6	194.269	192.192	386.569	9 2.0	243.136	241.170	484.442	8 49.9	192.257	194.288	386.651	9 10.8	241.148	243.191	484.473
9 40.9	194.234	192.248	386.589	9 24.2	243.170	241.146	484.448	9 47.8	192.275	194.260	386.643	9 30.6	241.149	243.151	484.431
in				in				Bar. 30.01.	Ther. 69°.9.	Run + 2.6.	Images 2.	Steadiness 2.			
1881, March 11.															
<i>a</i>				<i>b</i>											
h	m	r	r	h	m	r	r	h	m	r	r				
7 29.0	195.577	197.550	393.448	7 44.9	200.613	202.699	403.697	7 35.3	197.596	195.560	393.501	7 54.0	202.655	200.672	403.759
8 26.1	195.407	197.515	393.542	8 8.9	200.616	202.680	403.818	8 33.9	197.455	195.362	393.495	8 16.8	202.659	200.637	403.872
in				in				Bar. 29.97.	Ther. 70°.4.	Run + 4.2.	Images 2.	Steadiness 2-3.	F.P. 9°.58.		
1881, March 11.															
<i>a</i>				<i>b</i>											
h	m	r	r	h	m	r	r	h	m	r	r				
9 38.3	194.951	196.915	391.996	9 20.3	191.658	193.645	385.427	9 46.3	196.860	194.904	391.897	9 27.5	193.646	191.623	385.396
9 56.8	194.981	196.859	391.977	10 11.8	191.587	193.596	385.333	10 2.5	196.918	194.835	391.894	10 19.4	193.657	191.580	385.394
in				in				Bar. 29.98.	Ther. 73°.0.	Run + 3.4.	Images 2.	Steadiness 2.	F.P. 9°.58.		
1881, March 11.															
<i>a</i>				<i>b</i>											
h	m	r	r	h	m	r	r	h	m	r	r				
10 47.8	192.185	194.216	386.519	11 18.5	241.065	243.094	484.304	10 56.6	194.253	192.201	386.574	11 27.8	243.091	241.042	484.281
12 11.0	192.173	194.178	386.482	11 40.5	241.074	243.089	484.313	12 16.1	194.140	192.136	386.457	11 46.1	243.101	241.047	484.299
in				in				Bar. 29.98.	Ther. 71°.7.	Run + 3.9.	Images 2.	Steadiness 2.	F.P. 9°.58.		

ζ Tucanae.

1881, March 12.

b

h	m	r	r	R	h	m	r	r	R
7 15.3	200.704	202.712	403.690		7 28.6	195.553	197.611	393.487	
7 20.4	202.768	200.766	403.825		7 35.1	197.630	195.489	393.466	
8 2.2	200.559	202.624	403.667		7 45.5	195.475	197.478	393.344	
8 9.7	202.581	200.628	403.741		7 52.6	197.506	195.491	393.422	

in Bar. 30°04. Ther. 65°4. Run + 2°9. Images 3. Steadiness 3. F.P. 9°58.

a

Sirius.

1881, March 12.

a

h	m	r	r	R	h	m	r	r	R
9 36.8	194.932	196.896	391.960		9 52.9	191.668	193.595	385.403	
9 43.9	196.910	194.850	391.893		10 2.2	193.581	191.569	385.296	
10 29.0	194.895	196.875	391.933		10 13.1	191.619	193.618	385.390	
10 35.6	196.844	194.850	391.864		10 19.9	193.609	191.607	385.375	

in Bar. 30°05. Ther. 65°6. Run + 3°9. Images 2-3. Steadiness 3. F.P. 9°58.

b

e Eridani.

1881, March 16.

a

h	m	r	r	R	h	m	r	r	R
7 57.7	254.545	256.614	511.360		8 14.0	268.129	270.213	538.541	
8 4.8	256.584	254.501	511.287		8 20.8	270.240	268.131	538.571	
8 50.1	254.527	256.583	511.319		8 32.5	268.145	270.202	538.548	
8 56.9	256.579	254.507	511.295		8 40.4	270.207	268.140	538.548	

in Bar. 30°15. Ther. 58°8. Run + 3°0. Images 1. Steadiness 2. F.P. 9°70.

b

Sirius.

1881, March 16.

b

h	m	r	r	R	h	m	r	r	R
9 26.8	191.614	193.670	385.415		9 45.6	194.857	196.880	391.874	
9 35.0	193.671	191.638	385.443		9 53.4	196.917	194.865	391.922	
10 20.9	191.591	193.657	385.410		10 4.3	194.822	196.910	391.879	
10 27.6	193.630	191.629	385.428		10 10.6	196.916	194.814	391.881	

in Bar. 30°16. Ther. 56°7. Run + 0°5. Images 1. Steadiness 2. F.P. 9°70.

a

α₂ Centauri.

1881, March 17.

b

h	m	r	r	R	h	m	r	r	R
9 5.6	241.042	243.080	484.260		9 20.4	192.132	194.131	386.371	
9 11.6	243.154	241.056	484.347		9 27.9	194.193	192.197	386.499	
9 58.0	241.089	243.096	484.320		9 38.3	192.158	194.252	386.520	
10 4.7	243.102	241.056	484.294		9 46.9	194.250	192.136	386.497	

in Bar. 30°18. Ther. 60°4. Run + 2°7. Images 2. Steadiness 3. F.P. 9°70.

a

Canopus.						1881, March 19.		
a						b		
h	m	r	h	m	r	h	m	r
11 31 ¹ 2		52 ⁷ 30	54 ⁷ 83	107 ⁶ 08		11 44 ¹	45 ² 96	47 ⁴ 04
11 37 ³ 3		54 ⁷ 90	52 ⁷ 24	107 ⁶ 14		11 50 ⁹	47 ³ 79	45 ³ 19
12 15 ⁴ 4		52 ⁷ 19	54 ⁷ 32	107 ⁵ 82		12 1 ²	45 ³ 02	47 ³ 50
12 21 ⁴ 4		54 ⁷ 79	52 ⁷ 69	107 ⁵ 87		12 7 ⁸	47 ³ 41	45 ² 97
in								
Bar. 29 ⁹ 7.	Ther. 59 ⁹ 7.	Run + 2 ⁷ .	Images 1.	Steadiness 2.	F.P. 9 ⁹ 70.			

<i>e</i> Eridani.					1881, March 22.				
<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
8 14.6		268.137	270.218	538.551	8 31.9		254.674	256.589	511.367
8 20.7		270.187	268.161	538.544	8 42.8		256.629	254.578	511.412
9 15.1		268.198	270.215	538.609	8 57.7		254.536	256.581	511.322
9 23.0		270.218	268.153	538.566	9 6.4		256.611	254.488	511.304
in									
Bar. 29.91.		Ther. 63°.1.		Run + 3°.1.		Images 3.		Steadiness 2.	
F.P. 9.70.									

α_2 Centauri.

1881, March 22.

b

h	m	r	r	r
11	14 ¹	241 ⁰ 45	243 ¹ 121	484 ³ 13
11	21 ⁹	243 ¹ 37	241 ¹ 114	484 ³ 99
12	21 ³	241 ¹ 119	243 ¹ 173	484 ⁴ 50
12	28 ⁶	243 ¹ 116	241 ⁰ 69	484 ³ 44

in Bar. 29° 90. Ther. 59° 6. Run + 3° 7. Images 3. Steadiness 3. F.P. 9° 70.

a

h	m	r	r	r
11	32 ⁰	192 ¹ 52	194 ² 111	386 ⁴ 92
11	39 ⁵	194 ² 20	192 ¹ 44	386 ⁴ 95
11	51 ⁴	192 ¹ 115	194 ² 240	386 ⁴ 86
12	2 ³	194 ² 246	192 ¹ 229	386 ⁵ 07

Sirius.

1881, March 24.

b

h	m	r	r	r
9	23 ⁷	193 ⁵ 18	191 ⁵ 86	385 ² 32
9	30 ⁰	191 ⁵ 82	193 ⁶ 77	385 ³ 93
10	12 ⁸	193 ⁶ 29	191 ⁶ 26	385 ⁴ 11
10	20 ⁴	191 ⁶ 17	193 ⁶ 65	385 ⁴ 44

in Bar. 30° 25. Ther. 59° 1. Run + 2° 0. Images 3. Steadiness 3. F.P. 9° 70.

a

h	m	r	r	r
9	37 ⁷	196 ⁹ 09	194 ⁸ 30	391 ⁸ 73
9	44 ⁶	194 ⁸ 80	196 ⁹ 45	391 ⁹ 62
9	55 ⁵	196 ⁹ 09	194 ⁸ 85	391 ⁹ 35
10	3 ⁸	194 ⁹ 01	196 ⁸ 69	391 ⁹ 17

 α_2 Centauri.

1881, March 24.

b

h	m	r	r	r
10	47 ⁰	243 ⁰ 81	241 ⁰ 71	484 ² 96
10	55 ³	241 ⁰ 67	243 ¹ 02	484 ³ 04
11	41 ⁹	243 ¹ 106	241 ⁰ 32	484 ² 92
11	49 ²	241 ⁰ 21	243 ¹ 111	484 ² 87

in Bar. 30° 23. Ther. 59° 8. Run + 4° 0. Images 2-3. Steadiness 2-3. F.P. 9° 70.

a

h	m	r	r	r
11	4 ⁸	194 ² 31	192 ¹ 161	386 ⁵ 17
11	13 ⁶	192 ¹ 190	194 ² 208	386 ⁵ 25
11	24 ²	194 ² 194	192 ¹ 115	386 ⁴ 37
11	31 ⁰	192 ¹ 39	194 ² 225	386 ⁴ 94

 α_2 Centauri.

1881, March 25.

a

h	m	r	r	r
9	50 ⁸	194 ¹ 99	192 ¹ 167	386 ⁴ 76
9	57 ⁴	192 ¹ 136	194 ¹ 198	386 ⁴ 45
10	47 ⁰	194 ² 223	192 ¹ 157	386 ⁵ 00
10	56 ¹	192 ¹ 164	194 ² 219	386 ⁵ 05

in Bar. 29° 94. Ther. 65° 1. Run + 2° 1. Images 2. Steadiness 2-3. F.P. 9° 70.

b

h	m	r	r	r
10	7 ⁶	243 ⁰ 92	241 ⁰ 60	484 ² 86
10	16 ⁸	241 ⁰ 61	243 ⁰ 09	484 ² 96
10	30 ²	243 ¹ 08	241 ⁰ 59	484 ³ 05
10	38 ²	241 ⁰ 51	243 ¹ 113	484 ³ 05

Sirius.

1881, March 30.

a

h	m	r	r	r
9	9 ⁸	194 ⁹ 12	196 ⁹ 69	392 ⁰ 05
9	17 ²	196 ⁹ 75	194 ⁸ 71	391 ⁹ 72
9	56 ⁵	194 ⁹ 32	196 ⁹ 28	392 ⁰ 02
10	4 ⁶	196 ⁹ 61	194 ⁸ 73	391 ⁹ 80

in Bar. 30° 15. Ther. 58° 3. Run + 1° 5. Images 1. Steadiness 2. F.P. 9° 70.

b

h	m	r	r	r
9	25 ⁷	191 ⁶ 15	193 ⁶ 66	385 ⁴ 10
9	32 ⁰	193 ⁶ 96	191 ⁵ 94	385 ⁴ 22
9	41 ⁹	191 ⁶ 38	193 ⁶ 68	385 ⁴ 61
9	47 ⁵	193 ⁶ 47	191 ⁵ 76	385 ³ 63

<i>e</i> Eridani.							1881, April 2.				
<i>b</i>							<i>a</i>				
h	m	r	r	B			h	m	r	r	B
8	26' 2	270° 182	268° 095	538°	481		8	38' 2	256° 591	254° 513	511° 315
8	31' 5	268° 081	270° 205	538°	490		8	42' 9	254° 491	256° 602	511° 304
9	2' 7	270° 204	268° 120	538°	528		8	50' 5	256° 569	254° 491	511° 271
9	7' 5	268° 103	270° 195	538°	501		8	55' 7	254° 497	256° 585	511° 293
in											
Bar. 30° 31.			Ther. 54° 3.			Run + 4° 9.			Images 1.		
									Steadiness 2.		
									F.P. 9° 70.		

Sirius.						1881, April 2.			
b						a			
h	m	r	h	m	r	h	m	r	z
9 25°0	193°658	191°611	385°400	9 41°8	196°927	194°864	391°929		
9 32°8	191°598	193°676	385°408	9 49°1	194°825	196°933	391°899		
10 19°4	193°680	191°557	385°401	10 3°6	196°910	194°851	391°910		
10 25°9	191°557	193°641	385°367	10 11°1	194°856	196°925	391°934		
in									
Bar. 30°33.	Ther. 54°2.	Run + 1.0.	Images 1.	Steadiness 1.	F.P. 9°70.				

ε Indi.

1881, April 4.

b

h	m	r	r	r
17	37.8	202.004	204.127	406.353
17	45.9	204.117	202.000	406.326
18	28.6	202.063	204.093	406.321
18	33.7	204.100	201.996	406.257

in
Bar. 30° 19. Ther. 59° 4. Run + 1° 5. Images 2. Steadiness 2-3. F.P. 9° 70.

a

h	m	r	r	r
17	56.4	228.709	230.777	459.718
18	7.5	230.766	228.706	459.688
18	15.2	228.677	230.836	459.719
18	20.7	230.776	228.715	459.690

1881, April 4.

Sirius.

1881, April 6.

a

h	m	r	r	r
9	28.7	196.936	194.863	391.928
9	34.9	194.827	196.981	391.939
10	17.4	196.926	194.820	391.900
10	23.0	194.809	196.954	391.921

in
Bar. 30° 13. Ther. 61° 9. Run + 2° 0. Images 2. Steadiness 2. F.P. 9° 70.

b

h	m	r	r	r
9	42.3	193.678	191.608	385.421
9	49.2	191.596	193.674	385.410
9	57.8	193.708	191.561	385.413
10	3.7	191.593	193.694	385.435

α₂ Centauri.

1881, April 6.

a

h	m	r	r	r
10	45.8	192.144	194.278	386.543
10	51.7	194.275	192.139	386.536
11	31.7	192.138	194.261	386.528
11	40.3	194.265	192.119	386.514

in
Bar. 30° 12. Ther. 61° 8. Run + 2° 6. Images 1. Steadiness 2. F.P. 9° 72.

b

h	m	r	r	r
11	2.0	241.023	243.164	484.332
11	7.6	243.143	241.023	484.312
11	15.3	241.039	243.124	484.310
11	21.7	243.122	241.028	484.298

Sirius.

1881, April 7.

b

h	m	r	r	r
8	38.8	191.573	193.704	385.394
8	46.1	193.719	191.573	385.411
9	23.8	191.583	193.699	385.412
9	31.3	193.711	191.584	385.428

in
Bar. 30° 18. Ther. 58° 3. Run + 3° 4. Images 2. Steadiness 2. F.P. 9° 72.

a

h	m	r	r	r
8	53.4	194.819	196.971	391.910
8	58.9	196.994	194.843	391.958
9	7.9	194.839	196.970	391.933
9	14.9	196.951	194.858	391.935

α₂ Centauri.

1881, April 7.

b

h	m	r	r	r
9	54.6	243.156	240.974	484.266
10	1.4	241.013	243.182	484.331
10	42.1	243.130	241.015	484.289
10	50.8	241.024	243.158	484.327

in
Bar. 30° 19. Ther. 57° 4. Run + 1° 7. Images 2. Steadiness 2. F.P. 9° 72.

a

h	m	r	r	r
10	10.0	194.278	192.112	386.506
10	16.8	192.143	194.284	386.544
10	25.7	194.248	192.134	386.501
10	31.6	192.138	194.258	386.516

Sirius.

1881, April 9.

a

h	m	r	r	R
9 6.9		194.833	196.957	391.913
9 14.7		196.943	194.848	391.917
9 52.5		194.819	196.933	391.892
9 58.7	in	196.972	194.826	391.941

h	m	r	r	R
9 23.3		191.632	193.685	385.446
9 29.6		193.690	191.599	385.421
9 39.0		191.539	193.704	385.379
9 45.2		193.699	191.553	385.391

Bar. 30°.15. Ther. 58°. Run + 3.9. Images 2. Steadiness 2. F.P. 9°.72.

Canopus.

1881, April 9.

a

h	m	r	r	R
10 25.4		52.712	54.863	107.639
10 31.9		54.850	52.735	107.651
11 14.2		52.734	54.828	107.648
11 21.4	in	54.830	52.707	107.627

h	m	r	r	R
10 40.4		45.282	47.406	92.744
10 47.6		47.387	45.284	92.731
11 2.1		45.291	47.363	92.719
11 8.3		47.407	45.294	92.707

Bar. 30°.15. Ther. 58°.2. Run + 2.2. Images 2. Steadiness 2. F.P. 9°.72.

ε Indi.

1881, April 9.

a

h	m	r	r	R
17 59.8		230.764	228.551	459.543
18 5.0		228.566	230.873	459.660
18 45.5		230.838	228.519	459.533
18 51.8	in	228.523	230.828	459.523

h	m	r	r	R
18 17.5		204.183	201.863	406.221
18 24.1		201.884	204.182	406.234
18 31.9		204.197	201.876	406.235
18 38.2		201.901	204.178	406.237

Bar. 30°.11. Ther. 58°.6. Run + 1.6. Images 2. Steadiness 2.

Sirius.

1881, April 10.

b

h	m	r	r	R
8 52.6		193.790	191.492	385.402
8 58.7		191.493	193.805	385.419
9 32.7		193.768	191.504	385.405
9 39.6	in	191.496	193.792	385.424

h	m	r	r	R
9 6.0		196.999	194.750	391.872
9 11.3		194.771	197.065	391.961
9 19.4		197.046	194.754	391.927
9 25.2		194.755	197.031	391.916

Bar. 30°.07. Ther. 56°.0. Run + 2.6. Images 2. Steadiness 2. F.P. 9°.72.

α₂ Centauri.

1881, April 10.

a

h	m	r	r	R
9 59.3		192.071	194.331	386.516
10 6.8		194.329	192.046	386.491
10 45.1		192.058	194.317	386.497
10 51.8	in	194.344	192.064	386.531

h	m	r	r	R
10 16.4		240.956	243.253	484.348
10 22.1		243.234	240.956	484.329
10 30.6		240.942	243.241	484.324
10 36.6		243.240	240.950	484.332

Bar. 30°.07. Ther. 54°.9. Run + 3.2. Images 2. Steadiness 2. F.P. 9°.72.

Sirius.

1881, April 12.

a

h	m	r	r	R	h	m	r	r	R
8 58.1	194.784	197.045	391.949		9 12.0	191.544	193.801	385.471	
9 4.7	197.039	194.781	391.942		9 20.0	193.818	191.557	385.503	
9 55.9	194.805	197.016	391.964		9 41.3	191.501	193.706	385.404	
10 3.8	197.004	194.765	391.916		9 46.9	193.754	191.515	385.409	

in Bar. 30°13. Ther. 58°5. Run + 1°5. Images 2. Steadiness 2. F.P. 9°74.

*b*α₂ Centauri.

1881, April 12.

b

h	m	r	r	R	h	m	r	r	R
10 30.6	243.169	240.950	484.261		10 38.4	192.069	194.318	386.508	
10 53.1	240.941	243.208	484.295		10 45.4	194.310	192.070	386.502	
11 1.2	243.193	240.956	484.297		11 8.9	192.061	194.342	386.530	
11 29.0	240.974	243.213	484.340		11 19.1	194.315	192.091	386.535	

in Bar. 30°13. Ther. 54°9. Run + 2°6. Images 2. Steadiness 3. F.P. 9°74.

a

ε Indi.

1881, April 12.

a

h	m	r	r	R	h	m	r	r	R
16 46.6	228.502	230.780	459.669		17 1.1	201.864	204.125	406.273	
16 53.2	230.748	228.525	459.640		17 6.7	204.107	201.885	406.265	
17 32.3	228.561	230.810	459.646		17 17.8	201.887	204.137	406.278	
17 38.4	230.786	228.618	459.667		17 24.4	204.091	201.900	406.233	

in Bar. 30°13. Ther. 57°0. Run + 3°2. Images 2. Steadiness 3. F.P. 9°74.

b

ζ Tucanae.

1881, April 12.

a

h	m	r	r	R	h	m	r	r	R
18 1.8	197.774	195.517	393.409		18 18.9	202.916	200.675	403.712	
18 8.2	195.536	197.796	393.447		18 27.6	200.674	202.944	403.736	
18 54.4	197.775	195.598	393.483		18 38.8	202.920	200.710	403.745	
19 0.3	195.574	197.789	393.474		18 45.5	200.693	202.907	403.715	

in Bar. 30°14. Ther. 56°9. Run + 3°0. Images 2-3. Steadiness 3. F.P. 9°74.

b

Sirius.

1881, April 14.

b

h	m	r	r	R	h	m	r	r	R
8 51.3	193.634	191.488	385.242		9 9.1	196.882	194.743	391.749	
9 1.1	191.490	193.661	385.272		9 15.3	194.744	196.938	391.809	
9 42.5	193.649	191.469	385.257		9 25.0	196.885	194.723	391.737	
9 48.3	191.465	193.629	385.235		9 32.7	194.743	196.897	391.772	

in Bar. 30°09. Ther. 53°5. Run + 2°1. Images 2-3. Steadiness 3. F.P. 8°75.

Sirius.

1881, April 20.

a

h	m	r	r	R	h	m	r	r	R		
8 50' 8	196	918	194	718	391	756	193	672	191	504	
8 58' 2	194	685	196	887	391	693	191	470	193	653	
9 35' 4	196	878	194	755	391	767	9 20' 3	193	648	191	450
9 42' 3	194	750	196	895	391	783	9 27' 1	191	483	193	638

in Bar. 30° 36. Ther. 54° 8. Run + 1° 3. Images 2. Steadiness 2. F.P. 8° 75.

b

α₂ Centauri.

1881, April 20.

a

h	m	r	r	R	h	m	r	r	R		
10 5' 8	194	202	192	045	386	363	10 24' 3	243	062	240	883
10 13' 0	192	021	194	211	386	351	10 31' 3	240	907	243	080
10 56' 0	194	209	191	098	386	333	10 41' 2	243	077	240	909
11 2' 5	192	028	194	237	386	392	10 46' 8	240	898	243	078

in Bar. 30° 39. Ther. 54° 0. Run + 2° 3. Images 1. Steadiness 2. F.P. 8° 75.

b

ε Indi.

1881, April 20.

b

h	m	r	r	R	h	m	r	r	R		
17 3' 3	203	981	201	827	406	093	17 19' 3	230	649	228	505
17 9' 6	201	839	204	020	406	131	17 25' 6	228	501	230	680
17 49' 2	204	058	201	856	406	123	17 35' 4	230	685	228	504
17 56' 2	201	870	204	053	406	125	17 41' 4	228	545	230	670

in Bar. 30° 42. Ther. 52° 9. Run + 3° 6. Images 2. Steadiness 3. F.P. 8° 75.

a

ζ Tucanae.

1881, April 20.

b

h	m	r	r	R	h	m	r	r	R		
18 17' 9	200	650	202	803	403	577	18 35' 6	195	501	197	677
18 25' 5	202	802	200	655	403	577	18 42' 1	197	667	195	521
19 11' 4	200	652	202	819	403	587	18 54' 8	195	548	197	708
19 18' 5	202	798	200	612	403	526	19 1' 4	197	655	195	501

in Bar. 30° 44. Ther. 53° 1. Run + 2° 1. Images 3. Steadiness 3. F.P. 8° 75.

a

Sirius.

1881, April 21.

b

h	m	r	r	R	h	m	r	r	R		
9 25' 1	191	477	193	636	385	242	9 38' 8	194	792	196	914
9 31' 6	193	672	191	466	385	272	9 44' 5	196	871	194	724
10 9' 5	191	478	193	635	385	257	9 54' 1	194	760	196	902
10 16' 1	193	632	191	494	385	286	10 0' 5	196	855	194	702

in Bar. 30° 49. Ther. 59° 2. Run + 1° 7. Images 2-3. Steadiness 2-3. F.P. 8° 75.

Canopus.

1881, April 22.

b

h	m	r	r	R	h	m	r	r	R
9	47'7	45°286	47°450	92°781	10	1°1	52°711	54°868	107°635
9	53'3	47°456	45°250	92°760	10	7°0	54°873	52°712	107°643
10	26'9	45°290	47°451	92°795	10	15°0	52°721	54°861	107°642
10	32'8	47°461	45°293	92°810	10	21°0	54°892	52°730	107°684

in

Bar. 30°41.

Ther. 60°7.

Run + 2°0.

F.P. 9°75.

*a*α₂ Centauri.

1881, April 22.

b

h	m	r	r	R	h	m	r	r	R
10	53'8	241°013	243°252	484°411	11	9°3	192°130	194°323	386°580
11	0°4	243°213	241°048	484°408	11	14°7	194°306	192°121	386°555
11	40°0	241°056	243°205	484°416	11	25°1	192°142	194°292	386°564
11	46'3	243°213	241°041	484°410	11	31°1	194°298	192°158	386°587

in

Bar. 30°39. Ther. 59°0. Run + 3°3. Images 2-3. Steadiness 2. F.P. 9°75.

a

ε Indi.

1881, April 22.

a

h	m	r	r	R	h	m	r	r	R
17	17'3	228°654	230°806	459°768	17	34°0	201°969	204°171	406°369
17	23'3	230°784	228°639	459°718	17	41°8	204°192	201°966	406°375
18	5°0	228°663	230°839	459°724	17	52°4	201°997	204°158	406°358
18	10'9	230°828	228°678	459°720	17	58°1	204°134	201°966	406°296

in

Bar. 30°35. Ther. 57°9. Run + 2°7. Images 2-3. Steadiness 3. F.P. 9°75.

b

ζ Tucanae.

1881, April 22.

a

h	m	r	r	R	h	m	r	r	R
18	32'9	195°635	197°802	393°550	18	48'2	200°760	202°944	403°820
18	40'7	197°836	195°616	393°564	18	57°0	202°929	200°738	403°783
19	23'3	195°639	197°792	393°547	19	7°2	200°766	202°917	403°799
19	31'8	197°779	195°612	393°509	19	14°1	202°928	200°768	403°812

in

Bar. 30°33. Ther. 50°7. Run + 2°9. Images 2-3. Steadiness 3. F.P. 9°75.

*b*α₂ Centauri.

1881, April 23.

a

h	m	r	r	R	h	m	r	r	R
10	47'2	192°145	194°338	386°603	11	3°6	241°032	243°213	484°389
10	53'8	194°319	192°141	386°581	11	11°5	243°219	241°037	484°402
11	38'9	192°136	194°274	386°539	11	21°6	241°060	243°223	484°430
11	45'3	194°301	192°132	386°562	11	28°4	243°212	241°037	484°398

in

Bar. 30°26. Ther. 68°5. Run + 3°3. Images 2-3. Steadiness 2-3. F.P. 9°75.

b

Sirius.

1881, April 24.

a

h	m	r	r	R	h	m	r	r	R
9 44.3		196.987	194.846	391.968	10 1.3		193.753	191.601	385.500
9 51.9		194.853	197.067	392.058	10 8.1		191.585	193.772	385.508
10 35.4		196.989	194.837	391.994	10 18.5		193.768	191.581	385.508
10 41.3		194.864	197.031	392.071	10 26.6		191.600	193.767	385.533

in Bar. 30°16. Ther. 64°7. Run + 1°6. Images 2. Steadiness 2. F.P. 9°75.

ε Indi.

1881, April 24.

b

h	m	r	r	R	h	m	r	r	R
18 2.0		204.160	202.009	406.360	18 15.0		230.855	228.680	459.742
18 7.7		202.040	204.189	406.413	18 22.4		228.685	230.835	459.717
18 52.0		204.192	202.005	406.344	18 36.0		230.853	228.676	459.713
18 58.6		202.045	204.198	406.386	18 42.7		228.680	230.864	459.723

in Bar. 30°09. Ther. 58°7. Run + 3°0. Images 2. Steadiness 2.

ε Indi.

1881, April 28.

a

h	m	r	r	R	h	m	r	r	R
19 7.5		230.851	228.672	459.688	19 26.4		204.191	202.037	406.361
19 15.6		228.683	230.819	459.663	19 36.4		202.003	204.222	406.354
20 6.6		230.849	228.702	459.690	19 48.9		204.165	202.032	406.322
20 11.9		228.684	230.872	459.694	19 57.4		202.025	204.208	406.355

in Bar. 30°03. Ther. 44°8. Run + 3°1. Images 2. Steadiness 2-3. F.P. 9°75.

α₂ Centauri.

1881, May 4.

b

h	m	r	r	R	h	m	r	r	R
11 47.7		243.218	241.031	484.404	12 6.0		194.316	192.141	386.591
11 56.0		240.989	243.228	484.375	12 12.5		192.149	194.333	386.617
12 47.6		243.169	241.002	484.333	12 23.3		194.323	192.164	386.623
12 53.4		241.040	243.204	484.407	12 30.7		192.153	194.345	386.635

in Bar. 30°07. Ther. 56°6. Run + 5°0. Images 3. Steadiness 3. F.P. 9°75.

ε Indi.

1881, May 6.

b

h	m	r	r	R	h	m	r	r	R
18 46.4		201.992	204.198	406.343	19 1.0		228.686	230.850	459.703
18 53.1		204.141	202.032	406.322	19 7.5		230.790	228.600	459.553
19 40.2		202.043	204.180	406.349	19 17.9		228.665	230.859	459.682
19 46.6		204.204	202.009	406.337	19 28.8		230.822	228.650	459.623

in Bar. 30°09. Ther. 51°9. Run + 3°7. Images 2-3. Steadiness 3. F.P. 9°50.

ζ Tucanae.

1881, May 6.

b

h	m	r	r	R	h	m	r	r	R
20	4 ²	202 ⁸⁵²	200 ⁷³³	403 ⁷⁰⁶	20	19 ⁴	197 ⁷⁴²	195 ⁶²⁵	393 ⁴⁹⁵
20	10 ⁴	200 ⁷⁶⁵	202 ⁸⁸⁸	403 ⁷⁷⁷	20	24 ⁸	195 ⁵⁹⁵	197 ⁷⁸⁸	393 ⁵¹²
20	44 ⁷	202 ⁸⁹⁴	200 ⁶⁹⁴	403 ⁷¹⁸	20	34 ⁶	197 ⁷⁴⁸	195 ⁵⁷⁸	393 ⁴⁵⁹
20	49 ⁴	200 ⁷⁰⁸	202 ⁹³⁰	403 ⁷⁶⁹	20	39 ²	195 ⁵⁶⁶	197 ⁷⁶⁶	393 ⁴⁶⁶

in Bar. 30°09. Ther. 50°2. Run + 3°4. Images 3. Steadiness 3. F.P. 9°50.

 ϵ Indi.

1881, May 9.

a

h	m	r	r	R	h	m	r	r	R
18	50 ⁵	230 ⁷⁹²	228 ⁶³⁰	459 ⁶⁰⁰	19	4 ⁹	204 ¹⁴⁴	201 ⁹⁶⁷	406 ²⁵⁵
18	55 ⁹	228 ⁶⁴⁹	230 ⁷⁹¹	459 ⁶¹⁴	19	11 ⁰	201 ⁹⁹³	204 ¹⁶¹	406 ²⁹⁵
19	36 ⁵	230 ⁸¹²	228 ⁶²⁸	459 ⁵⁹¹	19	20 ⁰	204 ¹⁵⁹	202 ⁰⁰⁷	406 ³⁰³
19	42 ⁴	228 ⁶²³	230 ⁸⁰¹	459 ⁵⁷²	19	25 ⁸	201 ⁹⁴⁶	204 ¹⁴³	406 ²²³

in Bar. 30°17. Ther. 44°6. Run + 2°9. Images 2. Steadiness 2. F.P. 9°50.

Sirius.

1881, May 18.

a

h	m	r	r	R	h	m	r	r	R
9	36 ²	196 ⁹¹⁴	194 ⁸²⁸	391 ⁸⁷⁷	9	43 ⁶	191 ⁶³²	193 ⁷²¹	385 ⁴⁹²
9	58 ³	194 ⁸²⁰	196 ⁹⁵³	391 ⁹¹⁸	9	51 ⁴	193 ⁷¹⁵	191 ⁵⁴⁴	385 ⁴⁰³
10	10 ⁷	196 ⁸⁹⁸	194 ⁸¹⁵	391 ⁸⁶⁵	10	17 ⁵	191 ⁵⁶⁶	193 ⁶⁵⁰	385 ³⁷⁷
10	35 ⁴	194 ⁷⁹²	196 ⁹³⁶	391 ⁹⁰⁰	10	26 ¹	193 ⁶⁹⁶	191 ⁵⁶⁴	385 ⁴²⁹

in Bar. 30°28. Ther. 54°9. Run + 2°8. Images 3. Steadiness 3. F.P. 9°50.

Sirius.

1881, May 19.

b

h	m	r	r	R	h	m	r	r	R
9	40 ²	193 ⁷¹⁶	191 ⁶³⁰	385 ⁴⁸³	9	54 ⁸	196 ⁹³¹	194 ⁸⁵²	391 ⁹²⁵
9	47 ⁴	191 ⁶²⁶	193 ⁶⁸⁷	385 ³⁵⁴	10	0 ⁴	194 ⁸¹⁰	196 ⁹²³	391 ⁸⁷⁸
10	24 ³	193 ⁶⁹²	191 ⁵⁶⁰	385 ⁴¹⁹	10	11 ⁶	196 ⁹³³	194 ⁸⁴¹	391 ⁹²⁶
10	30 ⁴	191 ⁵²⁸	193 ⁶⁸⁶	385 ³⁸⁶	10	17 ⁶	194 ⁸²¹	196 ⁸⁸³	391 ⁸⁶¹

in Bar. 30°18. Ther. 55°2. Run + 1°7. Images 3. Steadiness 3. F.P. 9°50.

Sirius.

1881, May 20.

a

h	m	r	r	R	h	m	r	r	R
9	43 ⁰	194 ⁸²⁶	196 ⁹³⁶	391 ⁸⁰⁹	9	58 ⁸	191 ⁵⁸²	193 ⁷²⁷	385 ⁴⁵⁷
9	50 ⁴	196 ⁹⁴³	194 ⁷⁹⁷	391 ⁸⁸⁰	10	5 ⁶	193 ⁶⁹⁹	191 ⁵⁷¹	385 ⁴²²
10	32 ⁵	194 ⁷⁷²	196 ⁹⁵⁹	391 ⁹⁰¹	10	16 ⁴	191 ⁵⁹²	193 ⁷⁰³	385 ⁴⁵⁵
10	39 ⁶	196 ⁹¹¹	194 ⁷⁹⁶	391 ⁸⁸³	10	23 ⁴	193 ⁶⁹³	191 ⁵³⁵	385 ³⁹⁴

in Bar. 30°09. Ther. 53°9. Run + 1°5. Images 3. Steadiness 3. F.P. 9°50.

α_2 Centauri.

1881, May 20.

b

h	m	r	r	R	h	m	r	r	R
13	9 ⁰ 0	243 ⁰ 100	240 ⁰ 992	484 ⁰ 257	13	40 ³	194 ⁰ 243	192 ⁰ 145	386 ⁰ 527
13	22 ⁰ 0	240 ⁰ 984	243 ⁰ 118	484 ⁰ 269	13	51 ⁰ 0	192 ⁰ 137	194 ⁰ 271	386 ⁰ 546
14	29 ⁰ 2	243 ⁰ 121	241 ⁰ 011	484 ⁰ 299	14	7 ³	194 ⁰ 231	192 ⁰ 097	386 ⁰ 466
14	41 ⁰ 5	240 ⁰ 985	243 ⁰ 164	484 ⁰ 314	14	15 ³	192 ⁰ 170	194 ⁰ 336	386 ⁰ 642

in Bar. 30°08. Ther. 54°5. Run + 3°7. Images 3. Steadiness 3. F.P. 9°50.

Sirius.

1881, May 21.

a

h	m	r	r	R	h	m	r	r	R
9	49 ⁰ 0	196 ⁰ 904	194 ⁰ 793	391 ⁰ 836	10	0 ¹	191 ⁰ 592	193 ⁰ 699	385 ⁰ 439
10	19 ⁰ 0	194 ⁰ 840	196 ⁰ 932	391 ⁰ 929	10	8 ⁸	193 ⁰ 682	191 ⁰ 553	385 ⁰ 388
10	31 ⁰ 4	196 ⁰ 911	194 ⁰ 778	391 ⁰ 857	10	43 ⁶	191 ⁰ 565	193 ⁰ 675	385 ⁰ 427
12	2 ⁷	194 ⁰ 786	196 ⁰ 894	391 ⁰ 885	10	54 ⁶	193 ⁰ 695	191 ⁰ 553	385 ⁰ 449

in Bar. 29°93. Ther. 53°3. Run + 1°5. Images 3. Steadiness 3. F.P. 9°50.

 α_2 Centauri.

1881, May 23.

a

h	m	r	r	R	h	m	r	r	R
10	5 ⁶	192 ⁰ 152	194 ⁰ 307	386 ⁰ 575	10	25 ⁶	241 ⁰ 009	243 ⁰ 138	484 ⁰ 289
10	15 ⁶	194 ⁰ 273	192 ⁰ 192	386 ⁰ 583	10	32 ⁰	243 ⁰ 146	241 ⁰ 005	484 ⁰ 294
11	1 ¹	192 ⁰ 123	194 ⁰ 281	386 ⁰ 531	10	43 ⁸	240 ⁰ 994	243 ⁰ 133	484 ⁰ 272
11	11 ²	194 ⁰ 261	192 ⁰ 164	386 ⁰ 554	10	50 ⁴	243 ⁰ 137	240 ⁰ 978	484 ⁰ 261

in Bar. 30°15. Ther. 51°8. Run + 3°3. Images 2-3. Steadiness 3. F.P. 9°50.

 α_2 Centauri.

1881, June 13.

b

h	m	r	r	R	h	m	r	r	R
11	39 ⁴	240 ⁰ 827	243 ⁰ 307	484 ⁰ 288	11	59 ⁶	192 ⁰ 002	194 ⁰ 495	386 ⁰ 631
11	46 ²	243 ⁰ 283	240 ⁰ 823	484 ⁰ 261	12	8 ⁴	194 ⁰ 481	191 ⁰ 976	386 ⁰ 591
12	35 ⁴	240 ⁰ 801	243 ⁰ 295	484 ⁰ 258	12	19 ⁵	192 ⁰ 006	194 ⁰ 490	386 ⁰ 632
12	42 ³	243 ⁰ 312	240 ⁰ 819	484 ⁰ 294	12	26 ¹	194 ⁰ 454	192 ⁰ 002	386 ⁰ 592

in Bar. 30°25. Ther. 58°5. Run + 3°8. Images 3. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1881, June 16.

a

h	m	r	r	R	h	m	r	r	R
11	51 ⁵	194 ⁰ 462	191 ⁰ 968	386 ⁰ 563	12	7 ¹	243 ⁰ 292	240 ⁰ 807	484 ⁰ 258
11	58 ⁵	191 ⁰ 995	194 ⁰ 480	386 ⁰ 609	12	12 ⁵	240 ⁰ 799	243 ⁰ 320	484 ⁰ 279
12	44 ⁰	194 ⁰ 454	191 ⁰ 978	386 ⁰ 570	12	24 ⁰	243 ⁰ 277	240 ⁰ 818	484 ⁰ 256
12	51 ³	191 ⁰ 969	194 ⁰ 470	386 ⁰ 578	12	30 ⁴	240 ⁰ 840	243 ⁰ 302	484 ⁰ 304

in Bar. 30°15. Ther. 54°9. Run + 4°7. Images 3. Steadiness 3. F.P. 9°50.

α_2 Centauri.

1881, June 17.

b

h	m	r	r	R
13 44.2		240.824	243.310	484.297
13 51.0		243.311	240.778	484.253
14 36.5		240.844	243.362	484.370
14 45.9		243.318	240.824	484.305

in Bar. 30°.11. Ther. 63°.3. Run + 4°.5. Images 3. Steadiness 3. F.P. 9°.50.

a

h	m	r	r	R
14 0.5		191.988	194.476	386.599
14 8.5		194.467	191.955	386.557
14 17.3		191.965	194.482	386.581
14 24.6		194.468	191.975	386.578

 ζ Tucanae.

1881, June 20.

a

h	m	r	r	R
21 23.2		197.886	195.427	393.457
21 30.9		195.385	197.877	393.407
22 14.8		197.857	195.412	393.422
22 23.1		195.409	197.891	393.454

in Bar. 30°.48. Ther. 55°.1. Run + 3°.5. Images 2-3. Steadiness 3. F.P. 9°.50.

b

h	m	r	r	R
21 40.1		202.990	200.509	403.643
21 47.4		200.501	203.005	403.650
21 57.8		203.007	200.537	403.691
22 5.8		200.560	203.015	403.723

 e Eridani.

1881, June 20.

a

h	m	r	r	R
22 48.0		254.275	256.773	511.338
22 54.8		256.747	254.252	511.275
23 41.7		254.293	256.820	511.317
23 49.3		256.799	254.314	511.308

in Bar. 30°.46. Ther. 55°.3. Run + 3°.0. Images 2-3. Steadiness 3. F.P. 9°.50.

b

h	m	r	r	R
23 2.7		267.830	270.269	538.384
23 10.0		270.292	267.792	538.353
23 23.7		267.801	270.333	538.381
23 33.2		270.369	267.832	538.433

Canopus.

1881, June 21.

a

h	m	r	r	R
12 9.0		54.946	52.436	107.509
12 15.8		52.441	54.951	107.526
12 51.8		54.950	52.400	107.531
12 59.5		52.441	54.966	107.601

in Bar. 30°.36. Ther. 60°.2. Run + 3°.9. Images 3. Steadiness 3. F.P. 9°.50.

b

h	m	r	r	R
12 22.9		47.628	45.112	92.843
12 29.0		45.127	47.575	92.808
12 37.4		47.603	45.083	92.799
12 45.1		45.084	47.588	92.791

 α_2 Centauri.

1881, June 21.

a

h	m	r	r	R
16 14.8		191.959	194.502	386.586
16 20.9		194.527	191.996	386.645
16 56.0		191.995	194.498	386.608
17 0.6		194.518	192.009	386.641

in Bar. 30°.31. Ther. 57°.5. Run + 4°.3. F.P. 9°.50.

b

h	m	r	r	R
16 28.6		240.770	243.320	484.242
16 34.1		243.296	240.801	484.248
16 42.6		240.804	243.242	484.196
16 48.2		243.284	240.805	484.237

Indi.

1881, June 21.

b

a

h	m	r	r	R	h	m	r	r	R
17	22'5	201'810	204'331	406'387	17	38'2	228'447	230'947	459'659
17	29'2	204'262	201'803	406'300	17	44'8	230'922	228'428	459'603
18	11'5	201'816	204'343	406'341	17	56'3	228'450	230'955	459'640
18	17'2	204'288	201'802	406'266	18	2'4	230'891	228'458	459'561

in
Bar. 30°30. Ther. 57°8. Run + 3°4. Images 2. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1881, June 22.

b

a

h	m	r	r	R	h	m	r	r	R
12	4'9	243'294	240'799	484'250	12	20'8	194'497	192'006	386'639
12	11'1	240'803	243'296	484'257	12	27'2	191'992	194'503	386'632
12	59'0	243'280	240'792	484'236	12	40'9	194'484	191'976	386'597
13	7'1	240'792	243'287	484'244	12	47'2	192'007	194'485	386'629

in
Bar. 29°96. Ther. 54°9. Run + 4°4. F.P. 9°50.

e Eridani.

1881, June 24.

a

b

h	m	r	r	R	h	m	r	r	R
22	54'7	267'759	270'314	538'375	23	9'2	254'271	256'809	511'328
23	1'4	270'286	267'778	538'351	23	16'9	256'842	254'269	511'347
23	44'1	267'859	270'346	538'424	23	28'9	254'300	256'769	511'288
23	50'5	270'323	267'824	538'358	23	35'8	256'781	254'288	511'280

in
Bar. 30°21. Ther. 49°8. Run + 4°1. Images 2. Steadiness 2-3. F.P. 9°50.

e Eridani.

1881, June 28.

a

b

h	m	r	r	R	h	m	r	r	R
22	29'8	254'252	256'782	511'373	22	43'7	267'806	270'324	538'463
22	37'1	256'745	254'278	511'341	22	58'0	270'326	267'852	538'473
23	30'8	254'320	256'805	511'342	23	14'7	267'843	270'361	538'466
23	36'7	256'845	254'343	511'398	23	21'2	270'357	267'821	538'429

in
Bar. 30°25. Ther. 50°3. Run + 3°8. Images 2-3. Steadiness 3. F.P. 9°50.

 α_2 Centauri.

1881, July 1.

a

b

h	m	r	r	R	h	m	r	r	R
15	25'0	194'512	192'027	386'672	15	41'9	243'326	240'817	484'308
15	32'2	192'023	194'505	386'661	15	50'5	240'824	243'339	484'326
16	30'3	194'716	191'810	386'649	16	13'5	243'523	240'612	484'293
16	41'3	191'847	194'706	386'674	16	20'7	240'614	243'513	484'285

in
Bar. 30°53. Ther. 46°6. Run + 3°5. F.P. 9°50.

α_2 Centauri.

1881, July 2.

b

h	m	r	r	R	h	m	r	r	R
15	26.3	243.321	240.801	484.289	15	41.0	194.529	192.032	386.694
15	32.6	240.813	243.308	484.288	15	50.4	192.045	194.538	386.713
16	12.8	243.290	240.823	484.274	15	58.5	194.503	192.027	386.659
16	20.2	240.791	243.315	484.266	16	4.3	192.023	194.513	386.666

in
Bar. 30°49. Ther. 42°9. Run + 4°1. Images 2. Steadiness 3. F.P. 9°50. ϵ Indi.

1881, July 2.

a

h	m	r	r	R	h	m	r	r	R
16	53.6	228.394	230.902	459.679	17	9.2	201.772	204.338	406.390
17	1.0	230.887	228.404	459.653	17	18.3	204.285	201.788	406.337
17	43.4	228.449	230.946	459.662	17	28.9	201.801	204.310	406.357
17	49.8	230.924	228.457	459.636	17	35.4	204.349	201.816	406.401

in
Bar. 30°50. Ther. 40°9. Run + 3°3. Images 3. Steadiness 3. F.P. 9°50. ϵ Indi.

1881, July 3.

b

h	m	r	r	R	h	m	r	r	R
15	31.5	204.042	201.628	406.273	15	52.9	230.741	228.326	459.693
15	36.7	201.633	204.117	406.325	15	58.0	228.232	230.794	459.624
16	24.8	204.224	201.755	406.365	16	10.7	230.809	228.315	459.660
16	32.0	201.756	204.298	406.418	16	17.6	228.332	230.831	459.667

in
Bar. 30°58. Ther. 51°2. Run + 4°8. Images 2-3. Steadiness 3. F.P. 9°50. ϵ Eridani.

1881, July 3.

b

h	m	r	r	R	h	m	r	r	R
22	19.9	270.252	267.755	538.433	22	34.4	256.760	254.273	511.365
22	26.0	267.793	270.285	538.479	22	42.0	254.302	256.791	511.404
23	8.6	270.347	267.833	538.458	22	53.1	256.787	254.292	511.364
23	14.3	267.822	270.354	538.443	23	1.4	254.316	256.828	511.411

in
Bar. 30°56. Ther. 46°4. Run + 3°2. Images 2. Steadiness 3. F.P. 9°50. ζ Tucanae.

1881, July 4.

b

h	m	r	r	R	h	m	r	r	R
17	42.7	200.546	203.022	403.722	17	50.3	197.899	195.466	393.493
18	9.8	203.055	200.538	403.723	18	1.2	195.430	197.907	393.457
18	18.8	200.566	203.044	403.734	18	24.6	197.931	195.466	393.512
18	39.7	203.035	200.586	403.739	18	32.7	195.459	197.937	393.510

in
Bar. 30°56. Ther. 50°8. Run + 3°8. Images 2. Steadiness 2-3. F.P. 9°50.

ε Indi.

1881, July 5.

b

h	m	r	r	R	h	m	r	r	R
17	50'3	204'274	201'822	406'307	17	58'1	228'465	230'933	459'637
18	15'1	201'844	204'305	406'332	18	7'6	230'945	228'476	459'645
18	23'3	204'311	201'864	406'351	18	32'0	228'496	230'970	459'662
18	53'3	201'887	204'339	406'377	18	43'5	231'006	228'515	459'704

in Bar. 30°49'. Ther. 46°8'. Run + 4°0. Images 2-3. Steadiness 3. F.P. 9°50.

a

ξ Tucanae.

1881, July 5.

a

h	m	r	r	R	h	m	r	r	R
19	15'1	195'452	197'922	393'491	19	25'8	203'057	200'553	403'729
19	44'4	197'916	195'455	393'493	19	37'0	200'574	203'025	403'720
19	53'8	195'432	197'917	393'473	20	1'1	203'035	200'574	403'733
20	17'2	197'913	195'424	393'468	20	10'1	200'576	203'038	403'741

in Bar. 30°37'. Ther. 43°2'. Run + 4°7. Images 2. Steadiness 2-3. F.P. 9°50.

α₂ Centauri.

1881, July 6.

a

h	m	r	r	R	h	m	r	r	R
17	9'1	192'043	194'504	386'661	17	19'5	243'285	240'838	484'267
17	37'2	194'495	192'023	386'629	17	28'9	240'815	243'307	484'264
17	46'4	192'033	194'520	386'663	17	56'5	243'323	240'822	484'283
18	30'3	194'507	192'058	386'674	18	20'7	240'852	243'310	484'299

in Bar. 30°24'. Ther. 56°8'. Run + 4°3. Images 3. Steadiness 3. F.P. 9°50.

α₂ Centauri.

1881, July 8.

b

h	m	r	r	R	h	m	r	r	R
15	31'1	240'830	243'292	484'286	15	40'1	194'510	192'041	386'681
15	58'4	243'272	240'840	484'272	15	49'5	192'051	194'511	386'690
16	9'2	240'831	243'269	484'258	16	17'3	194'490	192'041	386'656
16	37'0	243'316	240'828	484'298	16	26'4	192'038	194'499	386'660

in Bar. 30°38'. Ther. 50°0. Run + 5°3. Images 2. Steadiness 2-3. F.P. 9°50.

ε Eridani.

1881, July 8.

a

h	m	r	r	R	h	m	r	r	R
22	27'3	256'743	254'259	511'353	22	38'9	267'799	270'274	538'425
22	58'0	254'307	256'766	511'347	22	48'5	270'275	267'851	538'449
23	6'2	256'830	254'321	511'408	23	17'7	267'824	270'367	538'450
23	39'3	254'336	256'797	511'343	23	29'2	270'346	267'861	538'449

in Bar. 30°35'. Ther. 46°2'. Run + 5°0. Images 3. Steadiness 3. F.P. 9°50.

b

Canopus.

1881, July 8.

b

h	m	r	r	R
0	0° 9	47° 519	45° 079	92° 752
0	8° 6	45° 090	47° 538	92° 772
0	57° 4	47° 514	45° 071	92° 681
1	3° 0	45° 137	47° 557	92° 786

in
Bar. 30° 35.

Ther. 43° 8.

h	m	r	r	R
0	16° 0	54° 948	52° 466	107° 548
0	25° 7	52° 487	54° 931	107° 544
0	37° 2	54° 950	52° 516	107° 582
0	45° 9	52° 470	54° 985	107° 566

Run + 4° 2.

a

F.P. 9° 50.

α₂ Centauri.

1881, July 10.

a

h	m	r	r	R
16	8° 3	194° 474	192° 015	386° 616
16	31° 1	192° 018	194° 501	386° 641
16	38° 9	194° 513	192° 030	385° 663
17	4° 2	192° 029	194° 483	386° 628

in
Bar. 30° 30.

Ther. 49° 2.

h	m	r	r	R
16	15° 7	240° 791	243° 293	484° 242
16	23° 6	243° 000	240° 798	484° 255
16	46° 8	240° 804	243° 295	484° 250
16	55° 2	243° 301	240° 806	484° 257

Run + 6° 1.

b

F.P. 9° 50.

ε Indi.

1881, July 10.

a

h	m	r	r	R
17	23° 2	228° 428	230° 938	459° 667
17	49° 7	230° 905	228° 465	459° 620
17	59° 6	228° 472	230° 923	459° 630
18	31° 3	230° 940	228° 459	459° 593

in
Bar. 30° 32.

Ther. 47° 9.

h	m	r	r	R
17	33° 0	204° 274	201° 801	406° 310
17	41° 6	201° 795	204° 289	406° 306
18	10° 0	204° 280	201° 832	406° 299
18	21° 2	201° 867	204° 306	406° 349

Run + 4° 3.

b

Images 2. Steadiness 2-3.

ε Indi.

1881, July 11.

b

h	m	r	r	R
17	52° 6	204° 273	201° 821	406° 303
18	16° 6	201° 833	204° 299	406° 314
18	26° 6	204° 321	201° 825	406° 318
18	52° 5	201° 856	204° 304	406° 312

in
Bar. 30° 57.

Ther. 49° 8.

h	m	r	r	R
18	0° 6	228° 486	230° 943	459° 664
18	8° 5	230° 949	228° 470	459° 641
18	35° 1	228° 464	230° 950	459° 606
18	43° 3	230° 937	228° 489	459° 610

Run + 6° 1.

a

Images 2. Steadiness 2. F.P. 9° 50.

ζ Tucanae.

1881, July 11.

b

h	m	r	r	R
19	8° 6	203° 009	200° 547	403° 673
19	33° 4	200° 548	203° 032	403° 699
19	44° 2	203° 039	200° 566	403° 725
20	8° 6	200° 577	203° 038	403° 740

in
Bar. 30° 57.

Ther. 48° 4.

h	m	r	r	R
19	15° 9	195° 415	197° 905	393° 436
19	24° 9	197° 922	195° 429	393° 469
19	51° 2	195° 420	197° 896	393° 440
20	1° 6	197° 905	195° 427	393° 458

Run + 4° 4.

a

Images 2. Steadiness 2. F.P. 9° 50.

α_2 Centauri.

1881, July 12.

*a**b*

h	m	r	r	R	h	m	r	r	R
15	55.3	194.513	192.001	386.644	16	2.4	240.819	243.309	484.291
16	16.7	191.998	194.511	386.635	16	10.8	243.307	240.804	484.272
16	24.4	194.506	192.000	386.631	16	34.1	240.820	243.282	484.259
16	58.4	191.992	194.498	386.609	16	49.3	243.333	240.825	484.312

in Bar. 30°.51. Ther. 43°.6. Run + 5°.9. Images 2. Steadiness 2-3. F.P. 9°.50.

 α_2 Centauri.

1881, July 13.

*b**a*

h	m	r	r	R	h	m	r	r	R
15	49.9	240.804	243.325	484.291	15	59.1	194.518	192.007	386.653
16	18.0	243.297	240.796	484.251	16	9.1	192.005	194.520	386.652
16	53.0	240.781	243.324	484.258	17	0.7	194.539	192.010	386.666
17	21.6	243.321	240.836	484.303	17	9.5	192.004	194.549	386.669

in Bar. 30°.43. Ther. 47°.6. Run + 4°.7. Images 2-3. Steadiness 3. F.P. 9°.50.

 α_2 Centauri.

1881, July 16.

*a*¹*b*¹

h	m	r	r	R	h	m	r	r	R
17	55.3	110.023	107.417	217.546	18	4.7	112.905	115.507	228.526
18	22.6	107.444	110.030	217.591	18	14.5	115.494	112.881	228.496
18	32.6	110.029	107.402	217.555	18	41.3	112.889	115.475	228.503
19	5.2	107.338	110.091	217.575	18	52.0	115.521	112.866	228.474

in Bar. 29°.98. Ther. 56°.3. Run + 2°.4. F.P. 9°.50.

 α_2 Centauri.

1881, July 18.

*b*¹*a*¹

h	m	r	r	R	h	m	r	r	R
15	40.7	112.836	115.594	228.500	15	49.0	110.142	107.355	217.566
16	4.2	115.572	112.840	228.487	15	57.4	107.351	110.138	217.559
16	11.7	112.845	115.579	228.500	16	18.7	110.118	107.369	217.562
16	31.0	115.575	112.877	228.532	16	25.2	107.365	110.099	217.540

in Bar. 30°.40. Ther. 42°.4. Run + 2°.1. F.P. 9°.50.

 α_2 Centauri.

1881, July 18.

*a**b*

h	m	r	r	R	h	m	r	r	R
17	17.9	191.884	194.616	386.616	17	26.4	243.400	240.705	484.253
17	42.3	194.628	191.910	386.652	17	34.8	240.714	243.438	484.299
18	59.2	191.895	194.609	386.623	19	5.3	243.418	240.670	484.232
19	24.3	194.638	191.888	386.654	19	15.2	240.716	243.440	484.303

in Bar. 30°.40. Ther. 39°.8. Run + 4°.7. Images 2-3. Steadiness 2-3. F.P. 9°.50.

α_2 Centauri.

1881, August 8.

 a^1

h	m	r	r	R	h	m	r	r	R
16	47.1	112.878	115.520	228.480	16	53.3	110.037	107.377	217.494
17	7.6	115.480	112.854	228.423	17	0.6	107.408	110.067	217.557
17	15.6	112.857	115.499	228.449	17	24.5	110.046	107.425	217.562
17	42.4	115.507	112.830	228.441	17	34.2	107.420	110.057	217.572

in
Bar. 30°04. Ther. 51°5. Run + 2°5. F.P. 9°50. α_2 Centauri.

1881, August 8.

 b

h	m	r	r	R	h	m	r	r	R
18	18.9	243.338	240.716	484.190	18	26.9	191.953	194.558	386.619
18	45.6	240.702	243.369	484.207	18	36.8	194.581	191.928	386.617
19	18.4	243.362	240.702	484.207	19	26.8	191.922	194.600	386.646

in
Bar. 30°05. Ther. 53°5. Run + 3°8. F.P. 9°50. α_2 Centauri.

1881, August 10.

 a^1

h	m	r	r	R	h	m	r	r	R
20	24.0	109.957	107.330	217.517	20	33.2	112.770	115.395	228.435
20	52.4	107.343	109.930	217.541	20	43.0	115.372	112.775	228.434
21	3.3	109.973	107.315	217.574	21	11.1	112.770	115.323	228.430
					21	21.4	115.365	112.767	228.491

in
Bar. 30°20. Ther. 47°4. Run + 2°6. Images 2-3. Steadiness 3. F.P. 9°50. α_2 Centauri.

1881, August 11.

 a^1

h	m	r	r	R	h	m	r	r	R
17	39.5	107.458	110.014	217.572	17	46.6	115.468	112.894	228.471
18	6.4	110.008	107.444	217.565	17	57.4	112.888	115.464	228.468
18	17.4	107.431	109.996	217.546	18	25.9	115.442	112.854	228.429
18	51.9	110.023	107.423	217.587	18	40.6	112.875	115.435	228.453

in
Bar. 30°57. Ther. 45°8. Run + 2°4. Images 1-2. Steadiness 2. F.P. 9°50. a α_2 Centauri.

1881, August 12.

 b

h	m	r	r	R	h	m	r	r	R
16	40.3	191.964	194.546	386.631	16	49.0	243.327	240.717	484.197
17	7.0	194.540	191.982	386.640	16	58.7	240.747	243.315	484.213
17	44.8	191.979	194.556	386.648	17	52.5	243.290	240.755	484.188
18	9.1	194.563	191.974	386.651	18	1.7	240.740	243.353	484.235

in
Bar. 30°57. Ther. 47°9. Run + 4°5. Images 2. Steadiness 2. F.P. 9°50.

ε Indi.

1881, August 12.

a

b

h	m	r	r	R	h	m	r	r	R
19	38'3	231	016	228	396	459	563	19	45'4
20	1'9	228	433	230	989	459	564	19	54'2
20	9'8	230	989	228	433	459	562	20	19'6
20	36'3	228	433	230	990	459	557	20	27'0

in
Bar. 30°55. Ther. 49°8. Run + 4°1. Images 1-2. Steadiness 2. F.P. 9°50.

Sirius.

1881, August 12.

a

b

h	m	r	r	R	h	m	r	r	R
2	8'0	196	865	194	323	391	745	2	17'4
2	33'3	194	413	197	019	391	837	2	25'7
2	41'0	197	027	194	410	391	808	2	49'3
3	8'6	194	491	197	032	391	808	3	1'1

in
Bar. 30°49. Ther. 49°9. Run + 3°1. Images 2. Steadiness 2. F.P. 9°50.α₂ Centauri.

1881, August 13.

b¹a¹

h	m	r	r	R	h	m	r	r	R
17	11'7	115	470	112	863	228	425	17	19'8
17	35'8	112	890	115	477	228	468	17	28'3
17	43'8	115	466	112	875	228	447	17	51'5
18	9'2	112	892	115	439	228	451	18	0'8

in
Bar. 30°39. Ther. 52°2. Run + 3°2. Images 1-2. Steadiness 2. F.P. 9°50.α₂ Centauri.

1881, August 13.

b

a

h	m	r	r	R	h	m	r	r	R
18	27'7	243	335	240	734	484	207	18	36'7
18	53'5	240	757	243	316	484	212	18	46'4
19	22'3	243	296	240	742	484	184	19	34'3
19	53'1	240	732	243	348	484	245	19	43'3

in
Bar. 30°39. Ther. 51°5. Run + 4°5. Images 1-2. Steadiness 2. F.P. 9°50.

Sirius.

1881, August 13.

b

a

h	m	r	r	R	h	m	r	r	R
2	7'0	191	137	193	747	385	390	2	14'1
2	31'2	193	734	191	202	385	310	2	22'4
2	39'3	191	207	193	784	385	337	2	49'6
3	8'4	193	839	191	254	385	357	3	0'2

in
Bar. 30°33. Ther. 49°5. Run + 1°9. Images 1-2. Steadiness 2. F.P. 9°50.

α_2 Centauri.

1881, August 14.

a¹

h	m	r	r	R
19	2°5	107°410	110°014	217°570
19	28°5	109°997	107°439	217°604
19	36°8	107°424	110°011	217°610
20	4°0	109°987	107°349	217°539

b¹

h	m	r	r	R
19	9°7	115°429	112°834	228°427
19	19°6	112°862	115°428	228°464
19	44°3	115°434	112°802	228°436
19	55°3	112°831	115°405	228°449

in
Bar. 29°24. Ther. 54°3. Run + 2°9. Images 3. Steadiness 3. F.P. 9°50. ϵ Indi.

1881, August 14.

b

h	m	r	r	R
20	25°4	201°820	204°393	406°329
20	56°2	204°405	201°780	406°300
21	5°2	201°796	204°396	406°307
21	31°1	204°370	201°801	406°287

a

h	m	r	r	R
20	33°9	230°982	228°425	459°539
20	46°7	228°421	231°026	459°577
21	13°7	231°010	228°418	459°558
21	22°1	228°436	230°993	459°560

in
Bar. 30°24. Ther. 54°1. Run + 5°0. Images 2. Steadiness 2. F.P. 9°50. α_2 Centauri.

1881, August 16.

a

h	m	r	r	R
17	46°0	194°524	191°076	386°611
18	6°3	191°968	194°549	386°626
18	33°8	194°566	191°062	386°637
18	56°0	191°989	194°530	386°633

b

h	m	r	r	R
17	52°9	240°754	243°325	484°219
17	59°0	243°328	240°725	484°192
18	40°3	240°733	243°339	484°210
18	48°0	243°300	240°747	484°185

in
Bar. 30°42. Ther. 55°8. Run + 4°9. Images 1-2. Steadiness 1-2. F.P. 9°50. α_2 Centauri.

1881, August 16.

b¹

h	m	r	r	R
19	33°8	115°412	112°826	228°427
19	59°4	112°817	115°419	228°454
20	7°6	115°396	112°808	228°523
20	29°5	112°785	115°358	228°404

a¹

h	m	r	r	R
19	41°6	107°422	110°000	217°603
19	51°4	109°973	107°392	217°555
20	14°4	107°372	109°936	217°524
20	22°7	109°910	107°383	217°518

in
Bar. 30°42. Ther. 55°8. Run + 3°4. Images 2. Steadiness 2. F.P. 9°50. e Eridani.

1881, August 16.

a

h	m	r	r	R
22	8°8	256°693	254°163	511°270
22	35°5	254°184	256°769	511°275
22	42°9	256°767	254°185	511°254

b

h	m	r	r	R
22	17°3	267°702	270°254	538°384
22	28°2	270°262	267°688	538°334
22	50°4	267°718	270°303	538°334

in
Bar. 30°41. Ther. 54°4. Run + 4°6. Images 2. Steadiness 2-3. F.P. 9°50.

ε Indi.

1881, August 18.

a

h	m	r	r	R	h	m	r	r	R
17	12.9	230.949	228.265	459.528	17	23.2	201.703	204.404	406.352
17	38.6	228.307	231.059	459.630	17	31.4	204.396	201.687	406.315
17	45.6	231.030	228.327	459.609	17	54.2	201.734	204.458	406.392
18	12.8	228.331	231.063	459.605	18	4.7	204.406	201.711	406.306

in Bar. 30°21. Ther. 56°3. Run + 3°3. Images 3. Steadiness 3. F.P. 9°50.

α₂ Centauri.

1881, August 18.

a¹

h	m	r	r	R	h	m	r	r	R
18	35.5	110.108	107.325	217.559	18	44.7	112.795	115.550	228.487
19	1.7	107.332	110.082	217.558	18	52.3	115.536	112.778	228.463
19	10.8	110.085	107.322	217.559	19	19.5	112.747	115.484	228.405
19	38.0	107.305	110.050	217.531	19	29.9	115.503	112.758	228.444

in Bar. 30°21. Ther. 55°0. Run + 3°1. Images 3. Steadiness 3. F.P. 9°50.

α₂ Centauri.

1881, August 19.

b

h	m	r	r	R	h	m	r	r	R
18	6.7	240.659	243.396	484.188	18	16.0	194.649	191.895	386.652
18	33.9	243.371	240.659	484.165	18	25.7	191.918	194.585	386.611
19	10.6	240.682	243.395	484.216	19	21.3	194.616	191.912	386.648
19	41.0	243.375	240.648	484.175	19	35.0	191.919	194.623	386.669

in Bar. 30°11. Ther. 56°3. Run + 4°6. Images 2-3. Steadiness 3. F.P. 9°50.

α₂ Centauri.

1881, August 25.

a

h	m	r	r	R	h	m	r	r	R
18	11.7	194.542	191.998	386.653	18	20.8	240.756	243.318	484.215
18	39.8	192.001	194.555	386.669	18	30.8	243.281	240.749	484.171
19	12.0	194.543	191.977	386.642	19	21.5	240.761	243.305	484.215
19	43.4	191.905	194.535	386.637	19	31.3	243.306	240.742	484.201

in Bar. 30°67. Ther. 45°0. Run + 4°9. Images 2. Steadiness 2. F.P. 9°50.

Sirius.

1881, August 25.

a

h	m	r	r	R	h	m	r	r	R
2	46.9	196.996	194.430	391.782	2	54.0	191.227	193.785	385.318
3	11.9	194.486	197.014	391.780	3	4.7	193.774	191.245	385.296
3	18.7	197.016	194.514	391.795	3	28.6	191.287	193.798	385.314
3	45.4	194.542	197.051	391.812	3	37.3	193.811	191.264	385.291

in Bar. 30°69. Ther. 44°8. Run + 3°7. Images 1-2. Steadiness 2. F.P. 9°50.

α_2 Centauri.

1881, August 27.

b

h	m	r	r	R
18	23.6	240.736	243.276	484.149
18	45.5	243.283	240.741	484.161
18	52.3	240.753	243.304	484.195
19	16.6	243.302	240.773	484.218

in Bar. 30° 40. Ther. 54° 0. Run + 5° 1. Images 2-3. Steadiness 2-3. F.P. 9° 50.

a

h	m	r	r	R
18	31.2	194.521	191.977	386.608
18	38.6	192.000	194.545	386.656
18	59.4	194.548	191.969	386.631
19	8.8	191.999	194.524	386.640

 ϵ Indi.

1881, August 27.

b

h	m	r	r	R
19	34.7	201.827	204.373	406.326
20	2.4	204.381	201.829	406.331
20	9.3	201.860	204.386	406.366
20	36.3	204.380	201.822	406.318

in Bar. 30° 39. Ther. 53° 5. Run + 4° 5. Images 2. Steadiness 2. F.P. 9° 50.

a

h	m	r	r	R
19	43.9	230.986	228.424	459.556
19	52.9	228.426	230.979	459.548
20	17.2	230.968	228.444	459.548
20	26.7	228.428	231.005	459.566

 ζ Tucanae.

1881, August 28.

a

h	m	r	r	R
19	54.6	197.929	195.381	393.433
20	20.5	195.409	197.904	393.443
20	29.7	197.911	195.422	393.466
20	54.1	195.392	197.922	393.453

in Bar. 30° 34. Ther. 49° 0. Run + 4° 2. Images 3. Steadiness 3. F.P. 9° 50.

b

h	m	r	r	R
20	3.2	200.522	203.068	403.713
20	11.5	203.039	200.527	403.691
20	37.2	200.541	203.047	403.718
20	47.0	203.075	200.514	403.722

Sirius.

1881, August 28.

b

h	m	r	r	R
2	44.4	191.276	193.775	385.383
3	8.1	193.810	191.317	385.394
3	16.7	191.273	193.835	385.356
3	45.0	193.824	191.324	385.351

in Bar. 30° 35. Ther. 45° 0. Run + 1° 9. Images 1-2. Steadiness 2. F.P. 9° 50.

a

h	m	r	r	R
2	51.5	196.991	194.427	391.753
3	0.0	194.456	196.989	391.753
3	25.3	197.033	194.514	391.795
3	35.7	194.532	197.006	391.768

 α_2 Centauri.

1881, August 29.

a

h	m	r	r	R
19	11.0	192.004	194.538	386.659
19	36.0	194.500	192.007	386.636
19	44.1	192.003	194.494	386.632

in Bar. 30° 52. Ther. 56° 0. Run + 4° 0. Images 2. Steadiness 2. F.P. 9° 50.

b

h	m	r	r	R
19	18.8	243.275	240.753	484.171
19	27.8	240.760	243.261	484.169
19	52.4	243.244	240.765	484.172

in Bar. 30° 52. Ther. 56° 0. Run + 4° 0. Images 2. Steadiness 2. F.P. 9° 50.

ε Indi.

1881, August 29.

a

h	m	r	r	R	h	m	r	r	R
20	35.6	228.467	230.969	459.568	20	45.1	204.362	201.844	406.319
21	8.0	230.980	228.505	459.524	20	57.1	201.835	204.365	406.315
21	17.9	228.468	230.956	459.555	21	26.5	204.365	201.825	406.306
21	46.6	230.958	228.493	459.584	21	37.3	201.869	204.349	406.333

in
Bar. 30°32. Ther. 55°5. Run + 3°8. Images 2. Steadiness 2. F.P. 9°50.

Canopus.

1881, August 30.

a

h	m	r	r	R	h	m	r	r	R
1	58.8	54° 981	52° 480	107° 530	2	4.4	45° 113	47° 598	92° 770
2	21.5	52° 506	55° 002	107° 571	2	13.6	47° 608	45° 101	92° 765
2	30.0	55° 008	52° 509	107° 578	2	36.5	45° 098	47° 611	92° 759
2	51.9	52° 509	55° 010	107° 573	2	45.4	47° 594	45° 121	92° 761

in
Bar. 30°35. Ther. 56°0. Run + 4°6. Images 1-2. Steadiness 1-2. F.P. 9°50.

Sirius.

1881, August 30.

a

h	m	r	r	R	h	m	r	r	R
3	9.6	194° 507	197° 011	391° 796	3	19.1	193° 774	191° 275	385° 287
3	37.2	197° 000	194° 526	391° 749	3	28.9	191° 291	193° 792	385° 305
3	44.6	194° 545	197° 042	391° 801	3	52.8	193° 815	191° 329	385° 335
4	7.8	197° 037	194° 554	391° 776	4	0.7	191° 323	193° 825	385° 330

in
Bar. 30°33. Ther. 54°5. Run + 2°4. Images 1-2. Steadiness 2. F.P. 9°50.α₂ Centauri.

1881, September 3.

b

h	m	r	r	R	h	m	r	r	R
19	41.1	243° 264	240° 772	484° 193	19	48.6	192° 015	194° 520	386° 676
20	3.7	240° 745	243° 263	484° 186	19	56.6	194° 521	192° 008	386° 678
20	11.4	243° 249	240° 724	484° 159	20	18.4	192° 006	194° 501	386° 680
20	37.1	240° 711	243° 227	484° 168	20	28.5	194° 476	192° 003	386° 668

in
Bar. 30°24. Ther. 44°5. Run + 5°6. Images 2. Steadiness 2. F.P. 9°50.

Sirius.

1881, September 3.

b

h	m	r	r	R	h	m	r	r	R
4	8.7	193° 806	191° 314	385° 297	4	14.6	194° 594	197° 055	391° 829
4	27.2	191° 355	193° 841	385° 356	4	21.6	197° 093	194° 569	391° 837
4	31.5	193° 843	191° 315	385° 315	4	36.4	194° 580	197° 055	391° 797

in
Bar. 30°16. Ther. 45°0. Run + 3°4. Images 1-2. Steadiness 2. F.P. 9°50.

ζ Tucanae.

1881, September 5.

b

h	m	r	r	R	h	m	r	r	R
22	43.1	200.538	203.011	403.702	22	52.2	197.889	195.414	393.460
23	9.1	203.025	200.538	403.718	23	1.0	195.419	197.903	393.478
23	16.0	200.502	203.040	403.697	23	25.1	197.902	195.408	393.468
23	46.2	203.015	200.499	403.669	23	34.8	195.411	197.883	393.451

in
Bar. 30° 14. Ther. 47° 3. Run + 5° 0. Images 2. Steadiness 2. F.P. 9° 50.*a* ϵ Indi.

1881, September 5.

b

h	m	r	r	R	h	m	r	r	R
0	6.0	204.330	201.852	406.346	0	13.4	228.437	230.942	459.562
0	31.7	201.836	204.328	406.340	0	23.4	230.939	228.443	459.571
0	38.0	204.338	201.843	406.361	0	45.9	228.444	230.916	459.561
1	3.1	201.785	204.342	406.322	0	55.1	230.889	228.461	459.556

in
Bar. 30° 16. Ther. 45° 5. Run + 3° 2. Images 2. Steadiness 2. F.P. 9° 50.*a* α_2 Centauri.

1881, September 6.

a

h	m	r	r	R	h	m	r	r	R
18	44.3	192.038	194.533	386.682	18	50.4	243.278	240.765	484.182
19	3.5	194.535	191.981	386.632	18	56.9	240.751	243.295	484.186
19	12.0	192.033	194.563	386.716	19	19.4	243.278	240.752	484.176
19	40.4	194.515	192.015	386.665	19	29.9	240.765	243.273	484.189

in
Bar. 30° 40. Ther. 48° 8. Run + 4° 9. Images 1-2. Steadiness 2. F.P. 9° 50.*b* ζ Tucanae.

1881, September 6.

a

h	m	r	r	R	h	m	r	r	R
21	26.4	195.387	197.911	393.446	21	33.4	203.018	200.503	403.667
21	50.1	197.928	195.368	393.449	21	41.6	200.513	203.007	403.668
22	0.0	195.414	197.919	393.487	22	9.1	203.000	200.531	403.683
22	26.1	197.924	195.379	393.461	22	18.9	200.531	203.054	403.737

in
Bar. 30° 39. Ther. 43° 3. Run + 4° 4. Images 1-2. Steadiness 1-2. F.P. 9° 50.*b*

Sirius.

1881, September 7.

a

h	m	r	r	R	h	m	r	r	R
3	43.4	194.597	197.031	391.842	3	49.5	193.877	191.326	385.397
4	3.5	197.015	194.534	391.739	3	56.7	191.333	193.848	385.368
4	9.4	194.573	197.046	391.803	4	15.5	193.859	191.328	385.357
4	29.5	197.047	194.564	391.776	4	22.6	191.363	193.863	385.389

in
Bar. 30° 38. Ther. 53° 0. Run + 2° 6. Images 2-3. Steadiness 2-3. F.P. 9° 50.*b*

ε Indi.

1881, September 8.

a

h	m	r	r	R
19	39.1	228.434	231.007	459.584
20	5.8	230.988	228.475	459.578
20	12.0	228.463	230.956	459.552
20	41.8	230.978	228.431	459.537

in

Bar. 30° 25. Ther. 66° 7. Run + 5° 0. Images 3. Steadiness 3. F.P. 9° 50.

b

h	m	r	r	R
19	48.0	204.357	201.838	406.315
19	58.1	201.867	204.342	406.327
20	21.0	204.360	201.885	406.359
20	32.3	201.848	204.364	406.325

ζ Tucanae.

1881, September 8.

b

h	m	r	r	R
21	19.6	203.016	200.493	403.644
21	50.2	200.516	203.030	403.687
21	56.7	203.032	200.474	403.648
22	23.3	200.516	203.010	403.672

in

Bar. 30° 24. Ther. 66° 5. Run + 4° 6. Images 3. Steadiness 3. F.P. 9° 50.

a

h	m	r	r	R
21	27.8	195.440	197.868	393.449
21	43.1	197.899	195.389	393.433
22	4.1	195.402	197.900	393.450
22	14.5	197.913	195.406	393.468

α₂ Centauri.

1881, September 9.

b

h	m	r	r	R
19	17.7	243.261	240.743	484.140
19	44.0	240.760	243.254	484.164
19	52.8	243.236	240.779	484.172
20	25.8	240.766	243.229	484.193

in

Bar. 30° 13. Ther. 72° 2. Run + 4° 1. Images 3. Steadiness 3. F.P. 9° 50.

a

h	m	r	r	R
19	26.4	192.012	194.506	386.636
19	37.0	194.527	192.000	386.651
20	3.7	192.030	194.488	386.665
20	15.4	194.489	191.997	386.646

α₂ Centauri.

1881, September 10.

a

h	m	r	r	R
19	44.3	194.506	192.003	386.642
20	12.9	191.998	194.481	386.640
20	24.2	194.446	191.985	386.609
20	55.3	191.956	194.430	386.626

in

Bar. 30° 16. Ther. 55° 3. Run + 4° 3. Images 3. Steadiness 2-3. F.P. 9° 50.

b

h	m	r	r	R
19	54.2	240.784	243.252	484.199
20	4.0	243.270	240.723	484.166
20	32.1	240.754	243.224	484.193
20	46.6	243.210	240.727	484.184

Canopus.

1881, September 13.

b

h	m	r	r	R
2	28.6	45.146	47.609	92.808
2	46.7	47.594	45.124	92.766
2	53.2	45.135	47.594	92.775
3	15.3	47.594	45.126	92.761

in

Bar. 30° 40. Ther. 43° 8. Run + 3° 6. Images 1-2. Steadiness 2. F.P. 9° 50.

a

h	m	r	r	R
2	34.1	54.970	52.517	107.547
2	41.3	52.540	55.011	107.609
2	59.3	55.011	52.506	107.570
3	7.9	52.531	54.977	107.559

Sirius.

1881, September 13.

b

h	m	r	r	R	h	m	r	r	R
3	29.9	193.828	191.317	385.372	3	37.8	194.553	197.000	391.782
3	54.7	191.369	193.810	385.372	3	47.9	196.970	194.536	391.718
4	2.2	193.813	191.326	385.323	4	9.4	194.584	197.018	391.790
4	26.0	191.332	193.811	385.305	4	18.1	197.039	194.566	391.783

in Bar. 30°41. Ther. 43°0. Run + 2°6. Images 2. Steadiness 2. F.P. 9°50.

α₂ Centauri.

1881, September 14.

b

h	m	r	r	R	h	m	r	r	R
19	4.5	240.757	243.284	484.181	19	11.8	194.522	192.028	386.669
19	29.7	243.238	240.764	484.152	19	21.8	192.042	194.523	386.688
19	41.7	240.775	243.230	484.161	19	51.2	194.494	192.007	386.643
20	9.6	243.241	240.740	484.163	20	0.2	192.003	194.510	386.663

in Bar. 30°43. Ther. 53°2. Run + 4°0. Images 2. Steadiness 2. F.P. 9°50.

ζ Tucanae.

1881, September 14.

a

h	m	r	r	R	h	m	r	r	R
21	41.6	197.915	195.377	393.441	21	49.5	200.531	203.023	403.700
22	7.8	195.419	197.905	393.477	21	58.6	203.008	200.511	403.667
22	17.0	197.907	195.412	393.473	22	25.7	200.516	202.994	403.665
22	47.2	195.407	197.913	393.477	22	37.2	203.001	200.532	403.683

in Bar. 30°43. Ther. 52°8. Run + 4°2. Images 2. Steadiness 2. F.P. 9°50.

ε Indi.

1881, September 19.

b

h	m	r	r	R	h	m	r	r	R
19	46.2	204.314	201.885	406.323	19	53.7	228.504	230.950	459.595
20	16.3	201.873	204.340	406.330	20	6.1	230.980	228.493	459.610
20	26.9	204.345	201.886	406.346	20	40.8	228.500	230.931	459.562
21	5.5	201.887	204.333	406.334	20	56.5	230.946	228.509	459.584

in Bar. 30°33. Ther. 56°8. Run + 6°8. Images 3. Steadiness 3. F.P. 9°50.

Sirius.

1881, September 19.

a

h	m	r	r	R	h	m	r	r	R
4	10.6	197.015	194.580	391.777	4	20.4	191.369	193.781	385.313
4	39.7	194.534	197.027	391.718	4	31.3	193.807	191.334	385.295
4	47.9	197.059	194.597	391.807	4	54.9	191.357	193.796	385.294
5	11.0	194.599	197.028	391.765	5	4.7	193.825	191.368	385.329

in Bar. 30°32. Ther. 55°7. Run + 3°6. Images 2. Steadiness 2. F.P. 9°50.

ζ Tucanae. 1881, September 20.

b

h	m	r	r	R	h	m	r	r	R
22	10 ¹	202 ⁹⁹⁶	200 ⁵³³	403 ⁶⁶⁷	22	17 ⁶	195 ⁴⁵⁶	197 ⁹²⁶	393 ⁵³⁴
22	31 ²	200 ⁵⁴²	203 ⁰¹⁰	403 ⁷⁰²	22	24 ⁹	197 ⁸⁹³	195 ⁴⁰²	393 ⁴⁴⁸
22	37 ²	203 ⁰¹³	200 ⁵⁴¹	403 ⁷⁰⁵	22	46 ⁴	195 ⁴³⁴	197 ⁹¹¹	393 ⁵⁰¹

in Bar. 30°32. Ther. 56°0. Run + 4°4. Images 1-2. Steadiness 2. F.P. 9°50.

Canopus.

1881, September 21.

a

h	m	r	r	R	h	m	r	r	R
2	47 ⁸	52 ⁵¹²	55 ⁰⁴⁴	107 ⁶¹⁰	2	53 ⁴	47 ⁵⁸⁰	45 ⁰⁶⁰	92 ⁶⁸⁴
3	8 ¹	55 ⁰²⁵	52 ⁵⁰⁶	107 ⁵⁸²	3	1 ³	45 ⁰⁹⁵	47 ⁶⁰⁰	92 ⁷³⁸
3	15 ⁷	52 ⁴⁸⁰	55 ⁰⁰⁶	107 ⁵³⁵	3	21 ⁹	47 ⁶³³	45 ⁰⁷¹	92 ⁷⁴³
3	35 ⁶	55 ⁰³⁴	52 ⁵¹²	107 ⁵⁹⁰	3	28 ⁶	45 ⁰⁸²	47 ⁶⁶⁸	92 ⁷²⁸

in Bar. 30°27. Ther. 53°2. Run + 4°6. Images 3. Steadiness 2-3. F.P. 9°50.

Sirius.

1881, September 21.

b

h	m	r	r	R	h	m	r	r	R
3	52 ⁵	193 ⁸¹⁵	191 ³¹⁹	385 ³²⁶	3	59 ³	194 ⁵³²	197 ⁰⁷⁹	391 ⁸⁰⁷
4	16 ⁶	191 ³²⁵	193 ⁸³³	385 ³²⁸	4	8 ⁷	197 ⁰⁶⁷	194 ⁵³⁶	391 ⁷⁸⁹
4	25 ⁰	193 ⁸⁵¹	191 ³³³	385 ³⁴⁶	4	32 ⁹	194 ⁵⁴³	197 ⁰⁶⁹	391 ⁷⁷⁶
4	53 ⁷	191 ³⁵⁴	193 ⁸⁸⁰	385 ³⁷⁸	4	42 ⁹	197 ⁰⁸⁸	194 ⁵⁸⁹	391 ⁸³⁵

in Bar. 30°26. Ther. 48°8. Run + 2°7. Images 2-3. Steadiness 2-3. F.P. 9°50.

α₂ Centauri.

1881, September 22.

a

h	m	r	r	R	h	m	r	r	R
19	18 ²	194 ⁵⁶⁰	191 ⁹⁸²	386 ⁶⁶¹	19	26 ²	240 ⁷⁶⁰	243 ²⁸³	484 ¹⁸⁸
19	42 ⁴	192 ⁰¹⁴	194 ⁵³⁴	386 ⁶⁸⁰	19	33 ⁹	243 ²⁸⁵	240 ⁷⁷⁶	484 ²¹⁰
19	51 ⁶	194 ⁵⁶³	191 ⁹⁹⁵	386 ⁶⁹⁷	20	2 ²	240 ⁷⁵¹	243 ²⁸²	484 ²⁰³
20	30 ⁸	191 ⁹⁶²	194 ⁵¹⁷	386 ⁶⁵⁰	20	11 ⁶	243 ²⁹³	240 ⁷¹⁷	484 ¹⁹¹

in Bar. 30°22. Ther. 58°5. Run + 4°5. Images 2-3. Steadiness 2.

e Eridani.

1881, September 22.

b

h	m	r	r	R	h	m	r	r	R
22	23 ³	267 ⁶⁵⁵	270 ²²⁵	538 ²⁷⁵	22	32 ⁹	256 ⁷⁹³	254 ²⁷³	511 ³⁸⁹
22	52 ³	270 ²⁹⁵	267 ⁷⁶⁰	538 ³⁵⁸	22	42 ⁵	254 ²⁵⁸	256 ⁷⁶⁸	511 ³²⁴
22	58 ⁶	267 ⁷⁵⁷	270 ²³²	538 ²⁷⁷	23	6 ⁵	256 ⁸⁰⁶	254 ²⁷⁰	511 ³²⁴
23	24 ¹	270 ³³³	267 ⁷⁷⁵	538 ³⁵⁰	23	14 ⁴	254 ²⁵⁰	256 ⁸¹⁷	511 ³⁰²

in Bar. 30°23. Ther. 60°3. Run + 4°3. Images 2-3. Steadiness 2-3. F.P. 9°50.

e Indi.

1881, September 23.

a

b

h	m	r	r	R	h	m	r	r	R
20	47'5	230°994	228°479	459°602	20	56'0	201°875	204°354	406°343
21	17'5	228°450	230°956	459°536	21	9'5	204°390	201°845	406°349
21	24'5	230°982	228°452	459°564	21	33'0	201°846	204°376	406°337
21	51'7	228°451	230°999	459°582	21	44'0	204°408	201°854	406°379

in Bar. 30°29. Ther. 59°0. Run + 3°7. Images 2-3. Steadiness 2-3. F.P. 9°50.

Sirius.

1881, September 24.

a

b

h	m	r	r	R	h	m	r	r	R
4	22'3	197°068	194°546	391°784	4	28'9	191°394	193°865	385°416
4	46'3	194°615	197°076	391°843	4	39'1	193°846	191°378	385°374
4	53'1	197°048	194°585	391°781	5	2'3	191°419	193°871	385°428
5	20'1	194°661	197°107	391°802	5	11'3	193°786	191°433	385°352

in Bar. 30°10. Ther. 52°5. Run + 2°4. Images 1-2. Steadiness 2. F.P. 9°50.

ζ Tucanae.

1881, September 25.

a

b

h	m	r	r	R	h	m	r	r	R
21	8'5	195°475	197°939	393°553	21	15'4	203°021	200°544	403°700
21	34'6	197°913	195°458	393°515	21	26'0	200°571	203°059	403°767
21	41'7	195°458	197°951	393°555	21	48'1	203°053	200°540	403°735
22	4'7	197°905	195°443	393°497	21	56'5	200°561	203°008	403°713

in Bar. 29°90. Ther. 55°8. Run + 4°1. Images 1-2. Steadiness 2. F.P. 9°50.

e Eridani.

1881, September 25.

a

b

h	m	r	r	R	h	m	r	r	R
22	47'8	254°293	256°815	511°394	22	56'5	270°282	267°831	538°406
23	14'7	256°800	254°296	511°330	23	6'4	267°816	270°304	538°393
23	22'1	254°303	256°827	511°355	23	30'9	270°334	267°814	538°380
23	50'3	256°831	254°335	511°347	23	40'0	267°821	270°328	538°368

in Bar. 29°91. Ther. 54°5. Run + 4°1. Images 1-2. Steadiness 2-3. F.P. 9°52.

α₂ Centauri.

1881, September 26.

b

a

h	m	r	r	R	h	m	r	r	R
20	20'1	240°724	243°247	484°166	20	27'2	194°455	192°098	386°736
20	43'4	243°212	240°714	484°167	20	35'4	191°997	194°481	386°676
20	50'1	240°724	243°226	484°208	20	58'1	194°492	191°970	386°712
21	17'1	243°176	240°633	484°164	21	7'5	191°970	194°428	386°677

in Bar. 30°16. Ther. 51°3. Run + 5°2. Images 1-2. Steadiness 2-3. F.P. 9°52.

ζ Tucanae. 1881, September 26.

b

h	m	r	r	R	h	m	r	r	R
22	38.8	200	565	203.019	403	736	22	46.8	197.906
23	4.2	202	995	200.511	403	659	22	55.2	195.415
23	12.0	200	539	203.016	403	709	23	21.2	197.881

in Bar. 30°17. Ther. 50°3. Run + 5°4. Images 1-2. Steadiness 1-2. F.P. 9°50.

a

Canopus. 1881, September 28.

b

h	m	r	r	R	h	m	r	r	R
3	18.0	47	590	45.089	92	718	3	23.5	53.542
3	37.0	45	103	47.589	92	729	3	29.5	55.031
3	44.0	47	566	45.106	92	708	3	49.5	53.524
4	5.0	45	123	47.605	92	761	3	56.5	55.023

in Bar. 30°31. Ther. 56°0. Run + 5°6. Images 2-3. Steadiness 2-3. F.P. 9°50.

a

Sirius. 1881, September 28.

b

h	m	r	r	R	h	m	r	r	R
4	24.9	191	379	193.859	385	398	4	31.6	197.072
4	48.9	193	843	191.366	385	353	4	41.7	194.594
4	56.6	191	305	193.847	385	351	5	3.5	197.048
5	21.2	193	870	191.364	385	364	5	13.3	194.595

in Bar. 30°31. Ther. 55°3. Run + 2°8. Images 2. Steadiness 2. F.P. 9°50.

α₂ Centauri. 1881, September 30.

a

h	m	r	r	R	h	m	r	r	R
19	20.1	192	042	194.523	386	684	19	25.6	243.227
19	39.5	194	517	192.003	386	649	19	32.6	240.785
19	46.3	192	010	194.510	386	654	19	55.7	243.247
20	16.1	194	479	191.972	386	615	20	6.1	240.791

in Bar. 30°20. Ther. 60°0. Run + 3°5. Images 2-3. Steadiness 2-3. F.P. 9°50.

b

α₂ Centauri. 1881, October 4.

b

h	m	r	r	R	h	m	r	r	R
21	0.7	240	706	243.159	484	150	21	6.9	194.435
21	19.9	243	176	240.618	484	155	21	13.7	191.952
21	26.6	240	661	243.152	484	206	21	33.6	194.412
21	54.1	243	066	240.521	484	167	21	44.2	191.841

in Bar. 30°07. Ther. 58°5. Run + 4°3. Images 2-3. Steadiness 2-3. F.P. 9°50.

a

Canopus.

1881, October 4.

a

h	m	r	r	R	h	m	r	r	R
1	47 ¹ 2	52 ¹ 533	54 ¹ 987	107 ¹ 593	1	53 ¹ 9	47 ¹ 560	45 ¹ 067	92 ¹ 689
2	10 ¹ 3	54 ¹ 981	52 ¹ 531	107 ¹ 577	2	2 ¹ 1	45 ¹ 103	47 ¹ 552	92 ¹ 714
2	16 ¹ 2	52 ¹ 507	55 ¹ 018	107 ¹ 588	2	24 ¹ 8	47 ¹ 554	45 ¹ 109	92 ¹ 716
2	40 ¹ 3	55 ¹ 002	52 ¹ 526	107 ¹ 578	2	33 ¹ 5	45 ¹ 100	47 ¹ 599	92 ¹ 748

in

Bar. 30°07. Ther. 57°0. Run + 4°7. Images 2. Steadiness 2-3.

α₂ Centauri.

1881, October 6.

a

h	m	r	r	R	h	m	r	r	R
19	51 ¹ 7	192 ¹ 000	194 ¹ 490	386 ¹ 629	19	59 ¹ 2	243 ¹ 230	240 ¹ 750	484 ¹ 147
20	16 ¹ 2	194 ¹ 481	192 ¹ 011	386 ¹ 657	20	8 ¹ 9	240 ¹ 750	243 ¹ 225	484 ¹ 152
20	22 ¹ 2	192 ¹ 015	194 ¹ 466	386 ¹ 654	20	30 ¹ 0	243 ¹ 220	240 ¹ 745	484 ¹ 175
20	46 ¹ 7	194 ¹ 447	191 ¹ 944	386 ¹ 610	20	38 ¹ 1	240 ¹ 702	243 ¹ 293	484 ¹ 121

in

Bar. 30°07. Ther. 56°0. Run + 3°3. Images 1-2. Steadiness 2.

ε Indi.

1881, October 6.

b

h	m	r	r	R	h	m	r	r	R
23	11 ¹ 7	204 ¹ 349	201 ¹ 919	406 ¹ 409	23	20 ¹ 7	228 ¹ 466	230 ¹ 961	459 ¹ 583
23	48 ¹ 7	201 ¹ 878	204 ¹ 342	406 ¹ 373	23	32 ¹ 2	230 ¹ 985	228 ¹ 476	459 ¹ 622
23	56 ¹ 6	204 ¹ 351	201 ¹ 891	406 ¹ 399	0	4 ¹ 8	228 ¹ 475	230 ¹ 955	459 ¹ 605
0	25 ¹ 4	201 ¹ 845	204 ¹ 364	406 ¹ 378	0	17 ¹ 8	230 ¹ 936	228 ¹ 479	459 ¹ 596

in

Bar. 30°08. Ther. 54°8. Run + 4°2. Images 2. Steadiness 2. F.P. 9°50.

Canopus.

1881, October 8.

b

h	m	r	r	R	h	m	r	r	R
1	45 ¹ 2	47 ¹ 574	45 ¹ 092	92 ¹ 733	1	52 ¹ 5	52 ¹ 499	55 ¹ 001	107 ¹ 571
2	5 ¹ 5	45 ¹ 118	47 ¹ 608	92 ¹ 785	1	59 ¹ 2	54 ¹ 997	52 ¹ 516	107 ¹ 582
2	12 ¹ 2	47 ¹ 592	45 ¹ 129	92 ¹ 777	2	18 ¹ 0	52 ¹ 512	54 ¹ 977	107 ¹ 552
2	33 ¹ 3	45 ¹ 115	47 ¹ 582	92 ¹ 748	2	25 ¹ 7	55 ¹ 001	52 ¹ 532	107 ¹ 594

in

Bar. 30°10. Ther. 55°0. Run + 4°6. F.P. 9°50.

Sirius.

1881, October 8.

a

h	m	r	r	R	h	m	r	r	R
2	47 ¹ 8	194 ¹ 539	196 ¹ 993	391 ¹ 871	2	57 ¹ 2	193 ¹ 797	191 ¹ 286	385 ¹ 368
3	15 ¹ 3	197 ¹ 006	194 ¹ 550	391 ¹ 819	3	8 ¹ 2	191 ¹ 285	193 ¹ 782	385 ¹ 325
3	23 ¹ 2	194 ¹ 547	197 ¹ 039	391 ¹ 832	3	32 ¹ 9	193 ¹ 847	191 ¹ 332	385 ¹ 393
3	52 ¹ 7	197 ¹ 101	194 ¹ 584	391 ¹ 886	3	43 ¹ 4	191 ¹ 340	193 ¹ 846	385 ¹ 386

in

Bar. 30°15. Ther. 54°5. Run + 3°7. Images 1-2. Steadiness 2.

α_2 Centauri.

1881, October 10.

b

h	m	r	r	R	h	m	r	r	R
20	17.3	243.211	240.716	484.119	20	26.0	192.010	194.478	386.671
20	45.6	240.700	243.200	484.164	20	36.6	194.479	191.987	386.668
20	54.6	243.200	240.692	484.165	21	5.0	191.950	194.440	386.663
21	29.4	240.628	243.104	484.152	21	19.8	194.422	191.909	386.657

in Bar. 30° 32'. Ther. 50° 0'. Run + 2.8. Images 1-2. Steadiness 2-3. F.P. 9° 50'.

 ζ Tucanae.

1881, October 10.

b

h	m	r	r	R	h	m	r	r	R
22	0.9	200.572	203.039	403.760	22	8.2	197.955	195.422	393.530
22	25.6	203.032	200.539	403.722	22	16.9	195.444	197.940	393.538
22	34.4	200.523	203.039	403.714	22	44.8	197.923	195.459	393.539
23	5.3	203.049	200.519	403.723	22	55.1	195.438	197.939	393.534

in Bar. 30° 32'. Ther. 50° 3'. Run + 5.9. Images 1-2. Steadiness 2. F.P. 9° 50'.

 ϵ Indi.

1881, October 12.

a

h	m	r	r	R	h	m	r	r	R
1	5.8	230.919	228.452	459.579	1	13.1	201.876	204.320	406.393
1	32.7	228.488	230.950	459.604	1	21.6	204.310	201.857	406.369
1	41.1	230.922	228.469	459.622	1	48.7	201.841	204.290	406.351
2	7.4	228.468	230.912	459.629	1	59.8	204.323	201.826	406.376

in Bar. 30° 23'. Ther. 57° 5'. Run + 3.7. Images 2-3. Steadiness 2-3. F.P. 9° 50'.

Sirius.

1881, October 12.

b

h	m	r	r	R	h	m	r	r	R
2	33.1	193.741	191.300	385.402	2	40.7	194.464	196.947	391.775
2	59.5	191.337	193.775	385.391	2	53.0	196.932	194.492	391.744
3	6.8	193.762	191.313	385.337	3	15.8	194.532	196.964	391.757
3	34.0	191.360	193.798	385.369	3	26.8	196.983	194.539	391.761

in Bar. 30° 22'. Ther. 58° 5'. Run + 2.7. Images 3. Steadiness 3. F.P. 9° 50'.

 α_2 Centauri.

1881, October 19.

b

h	m	r	r	R	h	m	r	r	R
20	51.0	243.195	240.774	484.226	20	58.1	192.016	194.435	386.697
21	17.3	240.695	243.133	484.179	21	8.4	194.381	191.992	386.651
21	23.2	243.126	240.702	484.206	21	29.7	191.960	194.346	386.666
21	46.1	240.641	243.032	484.191	21	38.2	194.350	191.969	386.718

in Bar. 30° 20'. Ther. 58° 3'. Run + 4.6. Images 2-3. Steadiness 2-3. F.P. 9° 50'.

ε Indi.				1881, October 19.			
b				a			
h	m	r	r	h	m	r	r
0 58.2	201.891	204.307	406.384	1 7.2	230.914	228.452	459.574
1 24.0	204.286	201.830	406.319	1 16.3	228.488	230.926	459.628
1 31.3	201.882	204.311	406.400	1 38.0	230.895	228.464	459.586
1 55.0	204.278	201.847	406.347	1 47.3	228.493	230.876	459.602
in							
Bar. 30°22. Ther. 60°0. Run + 4°0. Images 2-3. Steadiness 2-3. F.P. 9°50.							

Sirius.				1881, October 19.			
a				b			
h	m	r	r	h	m	r	r
2 16.1	194.455	196.877	391.819	2 25.2	193.663	191.246	385.302
2 43.1	197.914	194.534	391.801	2 35.4	191.281	193.701	385.333
2 49.5	194.514	196.950	391.796	2 57.6	193.707	191.278	385.266
3 17.0	197.004	194.571	391.833	3 7.8	191.308	193.746	385.312
in							
Bar. 30°22. Ther. 60°0. Run + 1°8. Images 1-2. Steadiness 2. F.P. 9°50.							

α ₂ Centauri.				1881, October 24.			
a				b			
h	m	r	r	h	m	r	r
21 35.1	194.383	191.969	386.738	21 40.7	240.667	243.075	484.224
21 54.0	191.913	194.279	386.684	21 47.4	242.991	240.635	484.155
22 1.1	194.277	191.845	386.663	22 9.2	240.573	242.908	484.210
22 26.8	191.759	194.072	386.603	22 17.7	242.845	240.456	484.131
in							
Bar. 30°01. Ther. 54°5. Run + 3°2. Images 2-3. Steadiness 2-3. F.P. 9°50.							

ε Indi.				1881, October 28.			
a				b			
h	m	r	r	h	m	r	r
1 47.8	228.437	230.904	459.579	1 57.8	204.269	201.803	406.300
2 19.7	230.868	228.426	459.556	2 9.6	201.769	204.307	406.312
2 24.3	228.426	230.884	459.575	2 31.9	204.247	201.797	406.298
2 48.8	230.860	228.406	459.550	2 41.7	201.795	204.228	406.284
in							
Bar. 29°98. Ther. 46°8. Run + 4°2. Images 2. Steadiness 2. F.P. 9°50.							

Sirius.				1881, October 28.			
b				a			
h	m	r	r	h	m	r	r
3 9.2	193.782	191.302	385.342	3 18.1	194.541	197.030	391.829
3 36.0	191.307	193.772	385.290	3 27.1	197.014	194.512	391.766
3 45.2	193.794	191.293	385.287	3 53.4	194.568	197.043	391.813
4 14.1	191.327	193.799	385.294	4 4.2	197.044	194.565	391.798
in							
Bar. 29°90. Ther. 47°3. Run + 2°8. Images 1. Steadiness 1-2. F.P. 9°50.							

Sirius.

1881, October 30.

a

h	m	r	r	R	h	m	r	r	R
2	58.9	196.989	194.473	391.772	3	6.5	191.264	193.755	385.287
3	20.9	194.521	196.997	391.775	3	14.9	193.744	191.279	385.274
3	27.2	197.000	194.478	391.723	3	41.8	191.317	193.783	385.308
3	57.6	194.577	197.041	391.818	3	49.2	193.789	191.299	385.286

in
Bar. 30°38. Ther. 47°0. Run + 2°2. Images 1-2. Steadiness 2-3. F.P. 9°50.*b*α₂ Centauri.

1881, October 31.

b

h	m	r	r	R	h	m	r	r	R
21	35.3	243.087	240.564	484.107	21	45.9	191.846	194.339	386.636
22	4.3	240.534	242.955	484.180	21	55.0	194.326	191.812	386.644
22	12.1	242.917	240.443	484.137	22	19.2	191.742	194.216	386.667
22	32.8	240.321	242.738	484.134	22	26.1	194.189	191.674	386.643

in
Bar. 30°40. Ther. 52°0. Run + 3°1. Images 2-3. Steadiness 2-3. F.P. 9°50.*a*

ε Indi.

1881, October 31.

b

h	m	r	r	R	h	m	r	r	R
1	31.0	204.288	201.823	406.323	1	38.4	228.403	230.887	459.533
1	57.2	201.827	204.296	406.352	1	46.9	230.884	228.427	459.549
2	3.9	204.295	201.799	406.328	2	11.9	228.404	230.839	459.500
2	27.7	201.805	204.260	406.316	2	20.6	230.886	228.401	459.551

in
Bar. 30°35. Ther. 50°5. Run + 3°5. Images 2. Steadiness 2-3. F.P. 9°50.*a*

ε Indi.

1881, November 3.

a

h	m	r	r	R	h	m	r	r	R
23	45.5	228.456	230.932	459.553	23	51.0	204.358	201.877	406.388
0	7.4	230.919	228.447	459.540	23	59.1	201.879	204.321	406.356
0	15.1	228.437	230.945	459.561	0	23.2	204.327	201.865	406.360
0	41.6	230.907	228.432	459.531	0	33.0	201.875	204.346	406.393

in
Bar. 30°09. Ther. 60°2. Run + 2°7. Images 2. Steadiness 2-3. F.P. 9°50.*b*

ε Indi.

1881, November 5.

b

h	m	r	r	R	h	m	r	r	R
0	12.1	204.320	201.856	406.337	0	18.8	228.460	230.918	459.558
0	32.5	201.865	204.331	406.367	0	26.2	230.921	228.453	459.557
0	38.4	204.325	201.840	406.340	0	45.2	228.467	230.900	459.561
1	3.1	201.838	204.326	406.352	0	51.2	230.903	228.447	459.548

in
Bar. 30°02. Ther. 60°4. Run + 3°2. Images 2. Steadiness 2-3. F.P. 9°50.

ε Indi.

1881, November 7.

a

h	m	r	r	R
1 48.2	230.881	228.402		459.516
2 12.6	228.437	230.882		459.571
2 18.3	230.861	228.403		459.521
2 43.1	228.419	230.879		459.573

in
Bar. 30.00. Ther. 55°3. Run + 3.7. Images 3. Steadiness 3. F.P. 9°50.

b

h	m	r	r	R
1 54.3	201.856	204.327		406.405
2 5.5	204.316	201.847		406.393
2 25.4	201.833	204.278		406.355
2 33.6	204.304	201.820		406.374

Sirius.

1881, November 7.

b

h	m	r	r	R
3 2.0	191.301	193.739		385.313
3 26.1	193.771	191.333		385.328
3 33.5	191.353	193.785		385.351
3 56.8	193.788	191.340		385.312

in
Bar. 29.96. Ther. 54°8. Run + 2.8. Images 2-3. Steadiness 2-3.

a

h	m	r	r	R
3 9.4	196.997	194.550		391.823
3 18.6	194.558	196.996		391.808
3 40.2	197.038	194.566		391.820
3 48.4	194.577	197.003		391.785

α₂ Centauri.

1881, November 13.

a

h	m	r	r	R
6 46.8	194.412	191.894		386.627
7 21.1	192.012	194.492		386.698
7 30.9	194.487	192.040		386.701
7 55.7	192.025	194.495		386.658

in
Bar. 30.15. Ther. 47°9. Run + 3.2. Images 3. Steadiness 3.

b

h	m	r	r	R
6 55.0	240.569	243.022		484.071
7 7.6	243.067	240.661		484.121
7 39.7	240.690	243.147		484.090
7 48.5	243.188	240.666		484.082

Sirius.

1881, November 14.

a

h	m	r	r	R
2 17.0	196.858	194.387		391.730
2 40.1	194.419	196.941		391.726
2 48.0	196.900	194.429		391.666
3 14.8	194.488	197.005		391.757

in
Bar. 30.07. Ther. 53°5. Run + 2.0. Images 3. Steadiness 3. F.P. 9°50.

b

h	m	r	r	R
2 25.0	191.237	193.734		385.368
2 32.3	193.724	191.272		385.361
2 56.7	191.325	193.763		385.375
3 4.8	193.792	191.277		385.336

ε Indi.

1881, November 15.

b

h	m	r	r	R
0 54.1	201.844	204.341		406.369
1 15.8	204.312	201.836		406.346
1 23.2	201.854	204.340		406.396
1 48.7	204.313	201.848		406.381

in
Bar. 30.04. Ther. 55°5. Run + 5.1. Images 1. Steadiness 2. F.P. 9°50.

a

h	m	r	r	R
1 1.2	230.935	228.407		459.547
1 9.6	228.426	230.896		459.532
1 31.2	230.890	228.397		459.511
1 39.7	228.417	230.891		459.537

ε Indi.

1881, November 18.

a

h	m	r	r	R
0 46.3	230.894	228.414	459.507	
1 9.7	228.418	230.909	459.539	
1 16.6	230.899	228.409	459.525	
1 40.5	228.423	230.879	459.534	

b

h	m	r	r	R
0 53.9	201.858	204.333	406.378	
1 2.5	204.309	201.888	406.389	
1 23.5	201.841	204.326	406.372	
1 33.9	204.323	201.803	406.339	

in Bar. 30°.25. Ther. 52°.5. Run + 4°.1. Images 2. Steadiness 2. F.P. 9°.50.

α₂ Centauri.

1881, November 18.

b

h	m	r	r	R
6 54.9	240.551	243.048	484.077	
7 25.6	243.136	240.658	484.095	
7 33.3	240.667	243.164	484.104	
8 3.5	243.174	240.742	484.112	

h	m	r	r	R
7 6.0	194.444	191.976	386.657	
7 15.7	191.974	194.483	386.665	
7 43.3	194.489	191.998	386.639	
7 55.0	192.017	194.492	386.648	

in Bar. 30°.26. Ther. 51°.2. Run + 3°.8. Images 2. Steadiness 2-3. F.P. 9°.50.

Sirius.

1881, November 19.

b

h	m	r	r	R
3 33.0	191.302	193.776	385.290	
3 55.5	193.816	191.293	385.294	
4 2.1	191.312	193.768	385.257	
4 28.4	193.824	191.324	385.302	

h	m	r	r	R
3 39.9	197.033	194.841	391.791	
3 47.8	194.554	197.032	391.791	
4 11.1	197.053	194.560	391.791	
4 20.4	194.609	197.048	391.828	

in Bar. 30°.01. Ther. 57°.0. Run + 3°.7. Images 2. Steadiness 2. F.P. 9°.50.

ε Indi.

1881, November 24.

b

h	m	r	r	R
2 36.1	201.821	204.314	406.386	
2 59.8	204.235	201.841	406.346	
3 8.1	201.837	204.282	406.395	
3 37.3	204.269	201.789	406.358	

h	m	r	r	R
2 43.2	230.867	228.404	459.546	
2 51.5	228.395	230.840	459.518	
3 16.1	230.842	228.405	459.549	
3 28.3	228.415	230.896	459.622	

in Bar. 30°.18. Ther. 57°.9. Run + 3°.5. Images 3. Steadiness 3. F.P. 9°.50.

Sirius.

1881, November 25.

a

h	m	r	r	R
4 3.6	194.596	197.093	391.875	
4 28.5	197.073	194.594	391.830	
4 36.5	194.603	197.037	391.796	
4 58.7	197.067	194.590	391.799	

h	m	r	r	R
4 10.9	193.811	191.328	385.308	
4 21.3	191.323	193.844	385.327	
4 43.0	193.815	191.326	385.285	
4 51.8	191.351	193.824	385.315	

in Bar. 29°.98. Ther. 58°.8. Run + 2°.0. Images 1-2. Steadiness 1-2. F.P. 9°.50.

α_2 Centauri.

1881, November 25.

a

h	m	r	r	R	h	m	r	r	R
7	40'8	192°001	194°520	386°673	7	47'8	243°151	240°653	484°027
8	4'2	194°500	192°006	386°632	7	55'9	240°666	243°174	484°044
8	12'0	192°024	194°503	386°647	8	19'4	243°161	240°690	484°019
8	34'6	194°512	192°014	386°637	8	26'9	240°691	243°194	484°045

in Bar. 29°93. Ther. 59°5. Run + 2°5. Images 2-3. Steadiness 3. F.P. 9°50.

 α_2 Centauri.

1881, November 28.

b

h	m	r	r	R	h	m	r	r	R
7	40'1	243°166	240°719	484°136	7	48'9	192°056	194°526	386°728
8	6'6	240°729	243°270	484°189	7	57'1	194°531	192°063	386°731
8	14'5	243°213	240°706	484°099	8	21'2	192°058	194°575	386°752
8	39'2	240°783	243°267	484°204	8	29'8	194°547	192°051	386°714

in Bar. 30°04. Ther. 47°7. Run + 4°5. Images 1-2. Steadiness 2-3. F.P. 9°50.

Sirius.

1881, December 1.

b

h	m	r	r	R	h	m	r	r	R
3	7'6	193°776	191°269	385°307	3	14'6	194°587	197°036	391°889
3	26'6	191°323	193°796	385°344	3	20'1	197°077	194°582	391°915
3	33'0	193°790	191°332	385°338	3	39'6	194°615	197°092	391°928
3	55'4	191°339	193°815	385°341	3	47'6	197°024	194°667	391°900

in Bar. 30°25. Ther. 53°5. Run + 2°4. Images 1-2. Steadiness 2. F.P. 9°50.

 e Eridani.

1881, December 1.

a

h	m	r	r	R	h	m	r	r	R
5	26'0	256°857	254°353	511°380	5	33'9	267°842	270°311	538°327
5	50'9	254°378	256°853	511°406	5	41'8	270°327	267°832	538°335
5	59'8	256°870	254°367	511°414	6	7'6	267°845	270°334	538°359
6	23'0	254°387	256°821	511°389	6	15'6	270°301	267°861	538°345

in Bar. 30°25. Ther. 55°0. Run + 4°0. Images 1-2. Steadiness 2. F.P. 9°50.

 α_2 Centauri.

1881, December 4.

a

h	m	r	r	R	h	m	r	r	R
7	58'0	192°089	194°484	386°705	8	6'3	243°157	240°750	484°092
8	20'9	194°513	192°054	386°682	8	13'5	240°766	243°209	484°151
8	44'4	192°072	194°480	386°660	8	50'0	243°187	240°756	484°096
8	56'2	194°491	192°088	386°686	9	4'7	243°170	240°777	484°085

in Bar. 29°97. Ther. 60°5. Run + 4°3. Images 2. Steadiness 2. F.P. 9°50.

e Eridani.

1881, December 8.

b

h	m	r	R	h	m	r	R
5 25' 9	267' 878	270' 308	538' 358	5 33' 5	256' 814	254' 400	511' 384
5 47' 2	270' 292	267' 871	538' 340	5 40' 3	254' 419	256' 803	511' 395
5 53' 7	267' 882	270' 290	538' 350	6 3' 3	256' 805	254' 415	511' 398
6 21' 5	270' 305	267' 890	538' 378	6 12' 7	254' 393	256' 839	511' 411

in Bar. 30° 16. Ther. 54°. Run + 4°.8. Images 1-2. Steadiness 1-2. F.P. 9°.50.

e Eridani.

1881, December 9.

a

b

h	m	r	R	h	m	r	R
6 6' 6	254' 446	256' 851	511' 472	6 13' 2	270' 298	267' 898	537' 375
6 26' 6	256' 825	254' 447	511' 452	6 19' 8	267' 896	270' 299	537' 375
6 32' 9	254' 422	256' 822	511' 426	6 39' 0	270' 326	267' 884	537' 394
6 54' 9	256' 809	254' 423	511' 419	6 46' 1	267' 883	270' 311	537' 380

in Bar. 30° 11. Run + 1°.5. Images 1-2. Steadiness 2. F.P. 9°.50.

α₂ Centauri.

1881, December 9.

b

a

h	m	r	R	h	m	r	R
7 9' 2	243' 118	240' 646	484' 137	7 16' 8	192' 060	194' 486	386' 746
7 32' 1	240' 741	243' 144	484' 156	7 23' 9	194' 447	192' 064	386' 694
7 40' 6	243' 142	240' 760	484' 146	7 50' 2	192' 082	194' 454	386' 676
8 6' 5	240' 763	243' 209	484' 158	7 59' 4	194' 499	192' 059	386' 689

in Bar. 30° 07. Ther. 60°. Run + 3°.3. Images 2. Steadiness 2-3. F.P. 9°.50.

ζ Tucanae.

1881, December 10.

a

b

h	m	r	R	h	m	r	R
5 0' 7	195' 498	197' 901	393' 511	5 6' 3	202' 972	200' 595	403' 680
5 19' 0	197' 938	195' 502	393' 556	5 12' 3	200' 582	202' 998	403' 694
5 24' 7	195' 497	197' 877	393' 492	5 31' 4	203' 011	200' 581	403' 714
5 45' 7	197' 910	195' 502	393' 541	5 39' 0	200' 605	202' 989	403' 719

in Bar. 30° 05. Ther. 61°.3. Run + 2°.6. Images 2-3. Steadiness 2-3. F.P. 9°.50.

ε Indi.

1881, December 11.

a

b

h	m	r	R	h	m	r	R
1 39' 9	228' 500	230' 861	459' 588	1 45' 9	204' 286	201' 868	406' 369
2 0' 1	230' 871	228' 502	459' 614	1 52' 0	201' 888	204' 299	406' 406
2 5' 4	228' 497	230' 852	459' 594	2 13' 1	204' 347	201' 926	406' 505
2 29' 0	230' 852	228' 468	459' 583	2 22' 1	201' 919	204' 281	406' 440

in Bar. 30° 12. Ther. 62°.0. Run + 5°.1. Images 2-3. Steadiness 2-3. F.P. 9°.50.

Sirius.

1881, December 12.

a

h	m	r	h	m	r	h	m	r
2 58° 0	194° 616	196° 975	391° 893	3 4° 2	193° 734	191° 335	385° 335	
3 18° 7	196° 990	194° 613	391° 854	3 13° 0	191° 341	193° 773	385° 359	
3 24° 8	194° 621	197° 076	391° 936	3 32° 5	193° 747	191° 350	385° 308	
3 48° 9	197° 030	194° 645	391° 878	3 40° 7	191° 369	193° 765	385° 333	

in
Bar. 30° 04. Ther. 63° 0. Run + 2° 6. Images 2-3. Steadiness 2-3. F.P. 9° 50.

ζ Tucanae.

1881, December 13.

b

h	m	r	h	m	r	h	m	r
4 13° 0	202° 982	200° 573	403° 667	4 18° 8	195° 519	197° 928	393° 556	
4 31° 3	200° 684	203° 019	403° 814	4 25° 3	197° 909	195° 529	393° 547	
4 38° 0	202° 955	200° 608	403° 674	4 45° 0	195° 496	197° 862	393° 467	
4 57° 0	200° 622	203° 022	403° 756	4 51° 4	197° 908	195° 502	393° 525	

in
Bar. 29° 99. Ther. 61° 0. Run + 3° 1. Images 2-3. Steadiness 3. F.P. 9° 50.

ε Indi.

1881, December 16.

b

h	m	r	h	m	r	h	m	r
1 53° 0	204° 338	201° 862	406° 419	1 58° 9	228° 477	230° 873	459° 589	
2 14° 6	201° 889	204° 296	406° 418	2 8° 4	230° 787	228° 485	459° 518	
2 20° 5	204° 246	201° 897	406° 381	2 28° 3	228° 475	230° 887	459° 623	
2 44° 9	201° 892	204° 246	406° 394	2 37° 2	230° 818	228° 485	459° 570	

in
Bar. 29° 89. Ther. 60° 0. Run + 2° 2. Images 3. Steadiness 3. F.P. 9° 50.

ε Eridani.

1881, December 16.

b

h	m	r	h	m	r	h	m	r
5 20° 5	270° 287	267° 891	538° 344	5 27° 5	254° 422	256° 810	511° 397	
5 43° 5	267° 916	270° 278	538° 366	5 36° 6	256° 822	254° 429	511° 418	
5 55° 2	270° 301	267° 906	538° 381	6 5° 9	254° 482	256° 822	511° 478	
6 22° 4	267° 854	270° 307	538° 340	6 14° 8	256° 839	254° 430	511° 445	

in
Bar. 29° 90. Ther. 61° 5. Run + 4° 3. Images 2-3. Steadiness 2-3. F.P. 9° 50.

ε Indi.

1881, December 17.

a

h	m	r	h	m	r	h	m	r
2 48° 7	228° 478	230° 860	459° 617	2 55° 1	204° 259	201° 895	406° 420	
3 19° 6	230° 802	228° 448	459° 554	3 13° 1	201° 885	204° 217	406° 382	

in
Bar. 30° 24. Ther. 60° 0. Run + 3° 7. Images 2. Steadiness 2-3. F.P. 9° 50.

Sirius. 1881, December 18.

b

h	m	r	r	R
3 57.0	193.765	191.393	385.341	
4 20.1	191.405	193.763	385.331	
4 27.2	193.788	191.419	385.364	
4 50.2	191.378	193.770	385.291	

in Bar. 30° 22. Ther. 58° 0. Run + 2° 3. Images 2-3. Steadiness 2-3. F.P. 9° 50.

a

h	m	r	r	R
4 6.1	194.628	196.996	391.808	
4 12.7	197.010	194.659	391.847	
4 34.1	194.676	197.019	391.866	
4 43.1	197.079	194.676	391.909	

e Eridani.

1881, December 18.

b

h	m	r	r	R
5 56.4	270.265	267.910	538.352	
6 18.6	267.896	270.291	538.369	
6 24.5	270.309	267.885	538.377	
6 51.0	267.893	270.273	538.354	

in Bar. 30° 22. Ther. 57° 0. Run + 4° 3. Images 1-2. Steadiness 1-2. F.P. 9° 50.

a

h	m	r	r	R
6 4.6	254.429	256.800	511.406	
6 12.1	256.793	254.421	511.392	
6 32.7	254.409	256.798	511.391	
6 42.1	250.795	254.421	511.402	

ε Indi.

1881, December 20.

b

h	m	r	r	R
2 36.5	204.232	201.902	406.383	
3 3.3	201.874	204.253	406.396	
3 12.6	204.237	201.892	406.405	
3 44.5	201.892	204.206	406.399	

in Bar. 30° 02. Ther. 62° 0. Run + 2° 0. Images 2-3. Steadiness 3. F.P. 9° 50.

a

h	m	r	r	R
2 47.8	228.486	230.801	459.562	
2 54.5	230.802	228.447	459.530	
3 21.1	228.440	230.818	459.559	
3 35.3	230.791	228.457	459.561	

e Eridani.

1881, December 21.

a

h	m	r	r	R
5 37.2	254.419	256.842	511.430	
6 4.2	256.933	254.296	511.404	
6 11.1	254.331	256.913	511.420	
6 41.0	256.908	254.322	511.414	

in Bar. 30° 10. Ther. 61° 0. Run + 3° 9. Images 2. Steadiness 3. F.P. 9° 50.

b

h	m	r	r	R
5 44.6	270.297	267.910	538.380	
5 52.3	267.886	270.293	538.354	
6 18.3	270.385	267.775	538.339	
6 30.2	267.776	270.410	538.367	

α₂ Centauri.

1881, December 23.

a

h	m	r	r	R
9 2.6	194.482	192.032	386.621	
9 23.4	192.021	194.529	386.659	
9 29.7	194.539	191.997	386.646	
9 53.9	192.027	194.475	386.615	

in Bar. 30° 09. Ther. 53° 5. Run + 3° 8. Images 1. Steadiness 2. F.P. 9° 50.

b

h	m	r	r	R
9 9.8	240.768	243.212	484.119	
9 17.6	243.227	240.703	484.068	
9 36.7	240.744	243.231	484.111	
9 44.9	243.194	240.726	484.056	

Sirius.

1881, December 24.

a

h	m	r	197° 061	194° 611	391° 848	h	m	r	191° 319	193° 816	385° 296
4	12° 0					4	18° 9				
4	35° 4		194° 604	197° 119	391° 882	4	26° 6		193° 820	191° 348	385° 322
4	42° 8		197° 087	194° 617	391° 857	4	49° 5		191° 368	193° 807	385° 316
5	7° 7	in	194° 629	197° 089	391° 855	4	59° 0		193° 832	191° 329	385° 297

Bar. 30° 06. Ther. 60° 8. Run + 4° 0. Images 2-3. Steadiness 3. F.P. 9° 50.

α₂ Centauri.

1881, December 25.

b

h	m	r	240° 642	243° 147	484° 122	h	m	r	194° 470	192° 002	386° 653
7	17° 2					7	25° 0				
7	41° 0		243° 167	240° 688	484° 099	7	32° 7		192° 026	194° 484	386° 676
7	50° 0	in	240° 714	243° 153	484° 086	7	59° 1		194° 492	192° 001	386° 625
8	15° 8		243° 220	240° 707	484° 101	8	7° 0		192° 014	194° 473	386° 612

Bar. 30° 07. Ther. 59° 0. Run + 2° 6. Images 2. Steadiness 2. F.P. 9° 50.

ε Indi.

1882, January 4.

a

h	m	r	230° 828	228° 384	459° 503	h	m	r	201° 845	204° 315	406° 437
3	9° 0					3	17° 2				
3	33° 4		228° 388	230° 784	459° 480	3	24° 1		204° 288	201° 835	406° 406
3	41° 0	in	230° 779	228° 395	459° 489	3	47° 8		201° 872	204° 253	406° 426
4	1° 8		228° 387	230° 803	459° 520	3	55° 6		204° 258	201° 822	406° 386

Bar. 30° 06. Ther. 66° 0. Run + 2° 6. Images 2-3. Steadiness 3. F.P. 9° 58.

Sirius.

1882, January 17.

b

h	m	r	193° 787	191° 341	385° 304	h	m	r	194° 608	197° 080	391° 870
3	59° 5					4	3° 9				
4	16° 9		191° 342	193° 814	385° 316	4	11° 6		197° 094	194° 611	391° 879
4	22° 4	in	193° 796	191° 328	385° 279	4	27° 6		194° 630	197° 097	391° 887
4	38° 8		191° 332	193° 826	385° 302	4	33° 4		197° 083	194° 650	391° 889

Bar. 30° 04. Ther. 69° 5. Run + 2° 4. Images 2. Steadiness 2. F.P. 9° 42.

α₂ Centauri.

1882, January 17.

a

h	m	r	194° 473	191° 973	386° 581	h	m	r	240° 712	243° 190	484° 095
7	53° 7					8	1° 0				
8	13° 2		192° 001	194° 510	386° 629	8	7° 6		243° 195	240° 680	484° 056
8	19° 8	in	194° 499	191° 989	386° 602	8	28° 1		240° 747	243° 234	484° 138
8	45° 9		192° 017	194° 512	386° 636	8	35° 6		243° 186	240° 716	484° 053

Bar. 30° 05. Ther. 67° 0. Run + 3° 2. Images 2-3. Steadiness 2-3. F.P. 9° 50.

e Eridani.

1882, January 18.

a

h	m	r	r	R	h	m	r	r	R
6	55 ^o 0	256 ^o 862	254 ^o 350	511 ^o 397	7	1 ^o 3	267 ^o 795	270 ^o 311	538 ^o 292
7	13 ^o 7	254 ^o 354	256 ^o 824	511 ^o 367	7	7 ^o 7	270 ^o 296	267 ^o 812	538 ^o 295
7	19 ^o 1	256 ^o 811	254 ^o 367	511 ^o 369	7	26 ^o 1	267 ^o 804	270 ^o 305	538 ^o 299
7	39 ^o 0	254 ^o 350	256 ^o 854	511 ^o 398	7	32 ^o 3	270 ^o 307	267 ^o 789	538 ^o 287

in

Bar. 30^o07.Ther. 65^o0.Run + 3^o1.

Images 2-3.

Steadiness 3.

b

a₂ Centauri.

1882, January 18.

b

h	m	r	r	R	h	m	r	r	R
8	21 ^o 9	240 ^o 727	243 ^o 162	484 ^o 054	8	29 ^o 5	194 ^o 481	192 ^o 008	386 ^o 601
8	40 ^o 3	243 ^o 209	240 ^o 703	484 ^o 060	8	35 ^o 9	191 ^o 992	194 ^o 499	386 ^o 601
8	45 ^o 9	240 ^o 731	243 ^o 213	484 ^o 089	8	52 ^o 3	194 ^o 535	191 ^o 988	386 ^o 630
9	6 ^o 2	243 ^o 202	240 ^o 729	484 ^o 079	8	59 ^o 2	192 ^o 042	194 ^o 500	386 ^o 648

in

Bar. 30^o11.Ther. 62^o5.Run + 3^o5.

Images 2-3.

a

e Eridani.

1882, January 19.

b

h	m	r	r	R	h	m	r	r	R
6	19 ^o 1	270 ^o 318	267 ^o 833	538 ^o 331	6	25 ^o 9	254 ^o 370	256 ^o 844	511 ^o 394
6	39 ^o 7	267 ^o 835	270 ^o 299	538 ^o 318	6	33 ^o 1	256 ^o 842	254 ^o 370	511 ^o 394
6	46 ^o 3	270 ^o 325	267 ^o 828	538 ^o 339	6	53 ^o 7	254 ^o 369	256 ^o 842	511 ^o 398
7	9 ^o 8	267 ^o 849	270 ^o 261	538 ^o 299	7	1 ^o 4	256 ^o 822	254 ^o 385	511 ^o 396

in

Bar. 30^o15.Ther. 61^o0.Run + 4^o1.

Images 2.

a

e Indi.

1882, January 20.

a

h	m	r	r	R	h	m	r	r	R
3	51 ^o 3	230 ^o 785	228 ^o 344	459 ^o 454	3	57 ^o 7	201 ^o 828	204 ^o 289	406 ^o 427
4	13 ^o 0	228 ^o 392	230 ^o 795	459 ^o 528	4	5 ^o 8	204 ^o 285	201 ^o 798	406 ^o 399
4	20 ^o 6	230 ^o 782	228 ^o 382	459 ^o 511	4	28 ^o 0	201 ^o 801	204 ^o 260	406 ^o 391
4	45 ^o 4	228 ^o 335	230 ^o 809	459 ^o 507	4	36 ^o 1	204 ^o 248	201 ^o 809	406 ^o 391

in

Bar. 30^o05.Ther. 63^o0.Run + 4^o2.

Images 2-3.

a

Steadiness 3. F.P. 9^o50.a₂ Centauri.

1882, January 20.

a¹

h	m	r	r	R	h	m	r	r	R
10	34 ^o 5	108 ^o 670	108 ^o 678	217 ^o 472	10	48 ^o 9	114 ^o 133	114 ^o 140	228 ^o 391
10	41 ^o 9	108 ^o 716	108 ^o 729	217 ^o 504	10	55 ^o 2	114 ^o 129	114 ^o 143	228 ^o 387
11	19 ^o 0	108 ^o 708	108 ^o 740	217 ^o 548	11	3 ^o 5	114 ^o 140	114 ^o 150	228 ^o 401
11	26 ^o 7	108 ^o 721	108 ^o 747	217 ^o 505	11	10 ^o 2	114 ^o 169	114 ^o 157	228 ^o 434

in

Bar. 30^o00.Ther. 61^o5.Run + 0^o7.

Images 2-3.

b¹Steadiness 2-3. F.P. 9^o50.

Sirius.

1882, January 21.

a

h	m	r	r	B	h	m	r	r	B
3	48.0	197.061	194.620	391.883	3	53.7	191.346	193.788	385.318
4	6.1	194.651	197.098	391.931	4	0.0	193.774	191.347	385.299
4	13.0	197.123	194.652	391.949	4	20.9	191.361	193.767	385.287
4	35.2	194.654	197.104	391.915	4	28.9	193.785	191.353	385.289

in

Bar. 30°03. Ther. 65°0. Run + 3°3. Images 2. Steadiness 2. F.P. 9°50.

b

α₂ Centauri.

1882, January 21.

a

h	m	r	r	B	h	m	r	r	B
7	16.3	191.963	194.465	386.627	7	23.3	243.147	240.664	484.112
7	39.2	194.428	192.041	386.622	7	31.4	240.688	243.117	484.075
7	45.5	192.028	194.451	386.623	7	52.5	243.149	240.709	484.068
8	9.0	194.503	192.008	386.633	8	1.3	240.718	243.109	484.079

in

Bar. 30°03. Ther. 65°0. Run + 2°7. Images 2. Steadiness 2-3.

b

α₂ Centauri.

1882, January 22.

b¹

h	m	r	r	B	h	m	r	r	B
8	8.9	112.833	115.274	228.358	8	16.1	109.855	107.429	217.533
8	32.8	115.306	112.875	228.406	8	25.5	107.387	109.915	217.538
8	39.0	112.872	115.321	228.411	8	45.5	109.884	107.429	217.526
9	1.1	115.290	112.870	228.356	8	54.4	107.443	109.905	217.552

in

Bar. 30°02. Ther. 69°5. Run + 2°9. Images 3. Steadiness 3. F.P. 9°50.

a¹

ζ Tucanae.

1882, January 23.

a

h	m	r	r	B	h	m	r	r	B
4	36.3	197.863	195.494	393.465	4	42.9	200.554	202.995	403.659
4	56.4	195.458	197.931	393.499	4	49.9	203.013	200.542	403.666
5	2.4	197.941	195.321	393.511	5	8.7	200.552	203.013	403.678
5	25.4	195.459	197.903	393.478	5	16.4	202.999	200.563	403.675

in

Bar. 29°98. Ther. 65°0. Run + 2°4. Images 2-3. Steadiness 3. F.P. 9°50.

b

α₂ Centauri.

1882, January 28.

a¹

h	m	r	r	B	h	m	r	r	B
10	19.6	107.515	109.952	217.600	10	26.4	115.321	112.915	228.368
10	40.1	109.933	107.510	217.564	10	34.1	112.944	115.355	228.427
10	47.1	107.515	109.923	217.554	10	54.0	115.341	112.954	228.411
11	10.8	109.944	107.523	217.572	11	2.5	112.958	115.346	228.416

in

Bar. 29°92. Ther. 60°0. Run + 2°2. Images 2. Steadiness 2. F.P. 9°60.

α_2 Centauri.						1882, February 3.		
b^1						a^1		
h	m.	r	h	m.	r	h	m.	r
10	29 ⁹ 2	114 ¹ 38	114 ¹ 34	228 ¹ 403	10	50 ³ 3	108 ¹ 734	108 ¹ 723
10	39 ³ 3	114 ¹ 33	114 ¹ 06	228 ¹ 365	10	59 ⁰ 0	108 ¹ 727	108 ¹ 728
11	25 ⁰ 0	114 ¹ 45	114 ¹ 46	228 ¹ 390	11	8 ³ 3	108 ¹ 730	108 ¹ 729
11	32 ⁵ 5	114 ¹ 55	114 ¹ 48	228 ¹ 399	11	16 ⁰ 0	108 ¹ 734	108 ¹ 739
in								
Bar. 29 ⁸ 1.			Ther. 55 ⁵ .			Run + 0 ⁶ .		
Images 2.			Steadiness 2.					

α_2 Centauri.

1882, February 8.

 a^1

h	m	r	r	R	h	m	r	r	R
12	16.0	107.543	109.969	217.592	12	22.0	115.366	112.963	228.410
12	36.5	109.972	107.543	217.590	12	29.4	112.980	115.377	228.436
12	43.5	107.545	109.981	217.600	12	50.3	115.400	112.960	228.435
13	7.4	109.991	107.557	217.617	13	0.3	112.947	115.395	228.415

in Bar. 30°22. Ther. 46°0. Run + 0°2. Images 2. Steadiness 2. F.P. 9°50.

 α_2 Centauri.

1882, February 10.

 b^1

h	m	r	r	R	h	m	r	r	R
11	14.6	115.323	112.921	228.349	11	21.9	107.562	109.972	217.632
11	38.2	112.957	115.361	228.414	11	29.5	109.929	107.517	217.542
11	48.3	115.375	112.988	228.455	11	56.4	107.546	109.927	217.558
12	14.5	112.968	115.357	228.408	12	5.5	109.963	107.572	217.618

in Bar. 29°97. Ther. 62°5. Run + 0°5. Images 2. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1882, February 11.

 a^1

h	m	r	r	R	h	m	r	r	R
10	35.3	109.943	107.553	217.618	10	42.2	112.933	115.332	228.386
10	58.8	107.505	109.895	217.509	10	51.8	115.325	112.930	228.370
11	5.2	109.946	107.490	217.542	11	13.4	112.960	115.367	228.432
11	31.2	107.545	109.958	217.598	11	21.5	115.319	112.923	228.343

in Bar. 29°99. Ther. 70°0. Run + 2°0. Images 2-3. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1882, February 12.

 b^1

h	m	r	r	R	h	m	r	r	R
10	18.1	112.907	115.313	228.356	10	25.3	109.884	107.521	217.534
10	42.0	115.254	112.960	228.337	10	34.2	107.544	109.954	217.622
10	50.5	112.941	115.312	228.370	10	57.7	109.957	107.525	217.592
11	19.4	115.342	112.943	228.389	11	9.7	107.497	109.935	217.537

in Bar. 29°99. Ther. 66°0. Run + 2°7. Images 3. Steadiness 3. F.P. 9°50.

 α_2 Centauri.

1882, February 13.

 a^1

h	m	r	r	R	h	m	r	r	R
12	11.3	107.563	109.960	217.603	12	17.0	115.332	112.954	228.368
12	35.3	109.999	107.547	217.620	12	28.4	112.958	115.362	228.398
12	41.0	107.513	109.937	217.521	12	47.0	115.389	112.955	228.418
13	2.9	110.001	107.528	217.598	12	57.4	112.939	115.391	228.402

in Bar. 30°00. Ther. 67°0. Run + 0°4. Images 2. Steadiness 2. F.P. 9°50.

α_2 Centauri.

1882, February 14.

a

h	m	r	r	R
7	50' 4	192° 009	194° 453	386° 600
8	11' 0	194° 470	191° 991	386° 580
8	17' 0	192° 029	194° 460	386° 605
8	44' 1	194° 454	192° 065	386° 627

in

Bar. 29° 99. Ther. 67° 0. Run + 4° 0. Images 1-2. Steadiness 2-3. F.P. 9° 50.

b

h	m	r	r	R
7	57' 1	243° 140	240° 713	484° 053
8	3' 9	240° 727	243° 160	484° 076
8	25' 7	243° 165	240° 751	484° 075
8	36' 7	240° 762	243° 169	484° 080

 α_2 Centauri.

1882, February 16.

b¹

h	m	r	r	R
11	47' 0	114° 157	114° 166	228° 417
12	13' 0	114° 156	114° 149	228° 391
12	19' 2	114° 159	114° 171	228° 413
12	36' 5	114° 218	114° 159	228° 456

in

Bar. 30° 21. Ther. 59° 0. Run + 2° 3. Images 1. Steadiness 1. F.P. 9° 50.

a¹

h	m	r	r	R
11	54' 1	108° 748	108° 724	217° 560
12	7' 3	108° 742	108° 784	217° 609
12	26' 2	108° 760	108° 749	217° 587
12	42' 6	108° 770	108° 748	217° 592

 α_2 Centauri.

1882, February 17.

a¹

h	m	r	r	R
8	16' 1	109° 895	107° 467	217° 614
8	38' 4	107° 463	109° 883	217° 571
8	45' 8	109° 877	107° 464	217° 557
9	13' 7	107° 464	109° 903	217° 554

in

Bar. 30° 10. Ther. 64° 0. Run + 2° 5. Images 3. Steadiness 3. F.P. 9° 50.

b¹

h	m	r	r	R
8	23' 6	112° 893	115° 285	228° 415
8	31' 7	115° 304	112° 859	228° 392
8	54' 5	112° 886	115° 260	228° 351
9	4' 6	115° 293	112° 865	228° 353

Sirius.

1882, February 17.

a

h	m	r	r	R
9	45' 8	197° 054	194° 660	391° 849
10	9' 9	194° 686	197° 105	391° 940
10	21' 3	197° 053	194° 677	391° 888
10	47' 4	194° 690	197° 089	391° 961

in

Bar. 30° 10. Ther. 62° 5. Run + 1° 9. Images 2-3. Steadiness 2-3. F.P. 9° 50.

b

h	m	r	r	R
9	53' 3	191° 405	193° 844	385° 392
10	0' 3	193° 787	191° 355	385° 288
10	31' 4	191° 370	193° 733	385° 273
10	39' 9	193° 813	191° 334	385° 327

 α_2 Centauri.

1882, February 18.

b¹

h	m	r	r	R
9	28' 5	114° 088	114° 090	228° 352
9	34' 2	114° 117	114° 094	228° 380
10	11' 2	114° 151	114° 134	228° 426
10	19' 5	114° 119	114° 123	228° 378

in

Bar. 30° 08. Ther. 65° 0. Run + 1° 1. Images 3. Steadiness 3. F.P. 9° 50.

a¹

h	m	r	r	R
9	40' 6	108° 670	108° 738	217° 571
9	47' 9	108° 703	108° 727	217° 587
9	56' 0	108° 686	108° 659	217° 495
10	3' 4	108° 686	108° 693	217° 524

Sirius.

1882, February 19.

b

h	m	r	r	R	h	m	r	r	R
9 21' 6	193' 797	193' 778		385' 299	9 27' 8	194' 713	194' 713		391' 953
9 41' 6	191' 398	191' 366		385' 296	9 34' 5	197' 096	197' 143		391' 968
9 51' 6	191' 413	191' 386		385' 336	9 58' 7	197' 113	197' 110		391' 962
10 13' 6	193' 805	193' 780		385' 336	10 5' 4	194' 700	194' 664		391' 906

in
Bar. 29° 86. Ther. 71° 5. Run + 1° 2. Images 2-3. Steadiness 2-3. F.P. 9° 50.α₂ Centauri.

1882, February 25.

a¹

h	m	r	r	R	h	m	r	r	R
10 4' 4	108' 751	108' 694		217' 591	10 9' 6	114' 102	114' 088		228' 334
10 24' 6	108' 727	108' 735		217' 593	10 17' 8	114' 101	114' 088		228' 328
10 31' 3	108' 751	108' 717		217' 595	10 37' 9	114' 116	114' 115		228' 357
10 58' 3	108' 721	108' 727		217' 560	10 47' 9	114' 116	114' 118		228' 354

in
Bar. 30° 25. Ther. 61° 5. Run + 3° 6. Images 2. Steadiness 2. F.P. 9° 50.

Sirius.

1882, February 26.

a

h	m	r	r	R	h	m	r	r	R
9 19' 3	194' 694	197' 140		391' 961	9 26' 8	193' 769	191' 319		385' 217
9 43' 8	197' 162	194' 626		391' 923	9 35' 9	191' 371	193' 883		385' 386
9 53' 7	194' 736	197' 194		392' 070	10 1' 7	193' 851	191' 322		385' 320
10 19' 4	197' 110	194' 671		391' 938	10 10' 7	191' 366	193' 775		385' 294

in
Bar. 30° 13. Ther. 63° 0. Run + 0° 4. Images 3. Steadiness 3. F.P. 9° 50.α₂ Centauri.

1882, March 3.

b

h	m	r	r	R	h	m	r	r	R
9 47' 9	243' 196	240' 760		484' 090	10 16' 1	191' 991	194' 468		386' 575
10 51' 4	240' 715	243' 165		484' 024	10 42' 1	194' 436	192' 038		386' 595
10 56' 4	243' 175	240' 749		484' 069	11 14' 4	192' 000	194' 443		386' 570

in
Bar. 30° 11. Ther. 60° 0. Run + 2° 9. Images 2-3. Steadiness 2-3. F.P. 9° 50.α₂ Centauri.

1882, March 4.

a

h	m	r	r	R	h	m	r	r	R
8 23' 4	194' 427	191' 989		386' 531	8 31' 4	240' 727	243' 172		484' 055
8 42' 7	192' 022	194' 464		386' 596	8 37' 2	243' 172	240' 723		484' 046
8 47' 6	194' 464	192' 025		386' 596	8 55' 2	240' 752	243' 188		484' 081
9 9' 9	192' 051	194' 468		386' 625	9 2' 4	243' 171	240' 764		484' 074

in
Bar. 30° 10. Ther. 60° 0. Run + 2° 3. Images 2. Steadiness 2-3.

α_2 Centauri.						1882, March 4.					
<i>b</i>			<i>a</i>			<i>b</i>			<i>a</i>		
h	m	r	h	m	r	h	m	r	h	m	r
9 41' 8	112' 892	115' 296	228' 353	9 48' 5	109' 956	107' 535	217' 648				
10 5' 3	115' 360	112' 935	228' 442	9 57' 2	107' 480	109' 918	217' 549				
10 11' 4	112' 906	115' 340	228' 388	10 17' 4	109' 952	107' 507	217' 595				
10 32' 3	115' 345	112' 898	228' 373	10 25' 2	107' 507	109' 958	217' 596				
in											
Bar. 30° 09.	Ther. 60° 0.	Run + 2° 9.	Images 2.	Steadiness 2.							

ζ Tucanae.						1882, March 5.					
<i>a</i>			<i>b</i>			<i>a</i>			<i>b</i>		
h	m	r	h	m	r	h	m	r	h	m	r
6 32' 9	197' 867	195' 448	393' 497	6 41' 1	200' 505	202' 928	403' 624				
6 54' 3	195' 400	197' 820	393' 444	6 47' 0	202' 918	200' 508	403' 629				
7 2' 2	197' 820	195' 382	393' 445	7 10' 2	200' 474	202' 866	403' 599				
7 26' 8	195' 395	197' 760	393' 473	7 19' 3	202' 899	200' 455	403' 642				
in											
Bar. 30° 15.	Ther. 66° 0.	Run + 2° 8.	Images 2.	Steadiness 2-3.	F.P. 9° 50.						

α_2 Centauri.						1882, March 5.					
<i>b</i>			<i>a</i>			<i>b</i>			<i>a</i>		
h	m	r	h	m	r	h	m	r	h	m	r
11 17' 7	240' 725	243' 196	484' 070	11 22' 3	194' 488	192' 012	386' 627				
11 36' 6	243' 178	240' 724	484' 063	11 30' 0	192' 014	194' 458	386' 601				
11 42' 0	240' 735	243' 148	484' 035	11 49' 8	194' 459	191' 996	386' 586				
12 3' 5	243' 176	240' 727	484' 058	11 57' 2	192' 013	194' 456	386' 601				
in											
Bar. 30° 15.	Ther. 65° 0.	Run + 3° 7.	Images 1-2.	Steadiness 1.	F.P. 9° 50.						

α_2 Centauri.						1882, March 6.					
<i>a</i>			<i>b</i>			<i>a</i>			<i>b</i>		
h	m	r	h	m	r	h	m	r	h	m	r
8 14' 8	194' 424	191' 986	386' 530	8 21' 6	240' 716	243' 154	484' 037				
8 35' 5	192' 044	194' 417	386' 572	8 28' 4	243' 158	240' 750	484' 068				
8 42' 2	194' 465	192' 046	386' 621	8 49' 1	240' 743	243' 175	484' 063				
9 5' 2	192' 012	194' 457	386' 576	8 58' 0	243' 202	240' 752	484' 095				
in											
Bar. 30° 14.	Ther. 59° 0.	Run + 2° 9.	Images 2-3.	Steadiness 2-3.	F.P. 9° 50.						

Sirius.						1882, March 6.					
<i>b</i>			<i>a</i>			<i>b</i>			<i>a</i>		
h	m	r	h	m	r	h	m	r	h	m	r
9 29' 3	193' 815	191' 343	385' 290	9 36' 0	194' 676	197' 135	391' 944				
9 52' 0	191' 375	193' 776	385' 294	9 44' 5	197' 130	194' 667	391' 935				
9 59' 9	193' 794	191' 333	385' 275	10 9' 9	194' 678	197' 154	391' 985				
10 23' 8	191' 347	193' 798	385' 312	10 16' 8	197' 138	194' 675	391' 970				
in											
Bar. 30° 14.	Ther. 56° 0.	Run + 1° 8.	Images 2.	Steadiness 2-3.							

Canopus.

1882, March 8.

a

b

h	m	r	r	R	h	m	r	r	R
8 38' 9	55' 004	52' 573	107' 617		8 44' 9	45' 131	47' 587	92' 753	
9 0' 7	52' 558	54' 987	107' 588		8 54' 0	47' 599	45' 170	92' 805	
9 6' 9	54' 987	52' 582	107' 612		9 13' 9	45' 166	47' 591	92' 796	
9 33' 1	52' 537	54' 985	107' 570		9 23' 9	47' 594	45' 164	92' 799	

in Bar. 30° 33. Ther. 58° 0. Run + 3° 6. Images 2. Steadiness 2. F.P. 9° 50.

Sirius.

1882, March 8.

a

b

h	m	r	r	R	h	m	r	r	R
9 52' 8	194' 679	197' 163	391' 984		10 0' 2	193' 776	191' 346	385' 271	
10 17' 2	197' 145	194' 652	391' 954		10 8' 7	191' 342	193' 765	385' 261	
10 25' 3	194' 704	197' 993	391' 961		10 34' 2	193' 769	191' 345	385' 291	
10 48' 7	197' 106	194' 621	391' 915		10 41' 4	191' 328	193' 812	385' 324	

in Bar. 30° 33. Ther. 57° 0. Run + 1° 7. Images 2-3. Steadiness 2-3.

e Eridani.

1882, March 9.

a

b

h	m	r	r	R	h	m	r	r	R
7 12' 0	256' 800	254' 364	511' 356		7 17' 1	267' 786	270' 257	538' 235	
7 31' 0	254' 366	256' 857	511' 420		7 24' 1	270' 258	267' 787	538' 238	
7 38' 2	256' 874	254' 352	511' 425		7 45' 3	267' 774	270' 287	538' 257	
8 4' 2	254' 380	256' 830	511' 413		7 54' 5	270' 262	267' 799	538' 259	

in Bar. 30° 21. Ther. 60° 0. Run + 3° 2. Images 2. Steadiness 2-3. F.P. 9° 50.

ε Indi.

1882, March 10.

a

b

h	m	r	r	R	h	m	r	r	R
15 36' 1	230' 565	228' 153	459' 428		15 42' 7	201' 751	204' 173	406' 455	
15 58' 3	228' 228	230' 666	459' 475		15 51' 3	204' 256	201' 733	406' 483	
16 6' 4	230' 689	228' 241	459' 471		16 16' 8	201' 804	204' 285	406' 488	
16 36' 8	228' 311	230' 724	459' 452		16 27' 4	204' 273	201' 856	406' 496	

in Bar. 30° 05. Ther. 55° 0. Run + 3° 5. Images 3. Steadiness 3. F.P. 9° 50.

e Eridani.

1882, March 11.

b

a

h	m	r	r	R	h	m	r	r	R
7 25' 6	267' 837	270' 289	538' 317		7 32' 8	256' 859	254' 396	511' 449	
7 52' 1	270' 279	267' 811	538' 284		7 44' 3	254' 445	256' 862	511' 503	
8 0' 6	267' 816	270' 190	538' 201		8 7' 2	256' 848	254' 415	511' 403	
8 22' 7	270' 286	267' 821	538' 304		8 15' 3	254' 375	256' 877	511' 452	

in Bar. 29° 97. Ther. 63° 0. Run + 2° 2. Images 2-3. Steadiness 3-4. F.P. 9° 50.

Sirius.

1882, March 13.

b

h	m	r	r	R	h	m	r	r	R
9 20 5	191 369	193 802		385 299	9 27 8		197 115	194 665	391 909
9 42 0	193 817	191 334		385 287	9 34 8		194 648	197 120	391 900
9 50 5	191 372	193 833		385 345	9 57 6		197 172	194 649	391 965
10 16 1	193 820	191 353		385 331	10 7 6		194 677	197 104	391 930

in Bar. 30° 15. Ther. 61° 0. Run + 2° 0. Images 2. Steadiness 2. F.P. 9° 50.

ζ Tucanae.

1882, March 14.

b

h	m	r	r	R	h	m	r	r	R
6 46 9	200 476	202 935		403 614	6 57 6		197 876	195 375	393 484
7 16 7	202 941	200 373		403 595	7 8 4		195 310	197 882	393 453
7 26 6	200 376	202 884		403 575	7 33 8		197 849	195 312	393 507
7 50 6	202 835	200 393		403 651	7 42 6		195 318	197 781	393 483

in Bar. 30° 12. Ther. 61° 5. Run + 2° 5. Images 2-3. Steadiness 3. F.P. 9° 50.

Sirius.

1882, March 14.

a

h	m	r	r	R	h	m	r	r	R
10 36 6	197 088	194 624		391 885	10 43 0		191 349	193 781	385 314
10 57 6	194 606	197 109		391 912	10 51 6		193 781	191 314	385 290
11 4 8	197 112	194 620		391 941	11 11 8		191 314	193 738	385 282
11 28 3	194 649	197 095		392 001	11 21 3		193 734	191 304	385 292

in Bar. 30° 13. Ther. 58° 5. Run + 2° 0. Images 2. Steadiness 2.

Sirius.

1882, March 15.

b

h	m	r	r	R	h	m	r	r	R
8 42 9	191 347	193 814		385 277	8 49 0		197 141	194 668	391 927
9 5 1	193 806	191 348		385 275	8 58 4		194 678	197 107	391 904
9 10 8	191 361	193 809		385 293	9 16 4		197 118	194 660	391 902
9 30 6	193 830	191 343		385 303	9 22 7		194 666	197 126	391 918

in Bar. 30° 09. Ther. 64° 5. Run + 1° 6. Images 1-2. Steadiness 1-2. F.P. 9° 50

Sirius.

1882, March 16.

a

h	m	r	r	R	h	m	r	r	R
9 30 4	194 719	197 121		391 971	9 47 3		193 790	191 408	385 337
10 2 6	197 122	194 666		391 934	9 55 8		191 340	193 792	385 276
10 13 1	194 679	197 159		391 990	10 22 9		193 781	191 337	385 281
10 41 6	197 090	194 704		391 970	10 33 3		191 355	193 758	385 286

in Bar. 30° 08. Ther. 60° 0. Run + 2° 9. Images 1-2. Steadiness 2. F.P. 9° 50.

α_2 Centauri.

1882, March 17.

b

h	m	r	r	R	h	m	r	r	R
10	47' 6	240' 776	243' 185	484' 105	10	54' 3	194' 452	192' 012	386' 586
11	8' 3	243' 192	240' 758	484' 097	11	1' 4	194' 017	194' 465	386' 607
11	16' 3	240' 748	243' 215	484' 112	11	25' 1	194' 480	192' 016	386' 625
11	42' 4	243' 201	240' 768	484' 122	11	34' 0	192' 047	194' 439	386' 616

in
Bar. 30° 17. Ther. 60° 5. Run + 2° 2. Images 1. Steadiness 2. F.P. 9° 50. ζ Tucanae.

1882, March 20.

a

h	m	r	r	R	h	m	r	r	R
7	8' 2	195' 465	197' 848	393' 572	7	16' 4	202' 868	200' 442	403' 588
7	29' 6	197' 793	195' 372	393' 493	7	23' 0	200' 480	202' 865	403' 646
7	36' 9	195' 379	197' 755	393' 491	7	44' 4	202' 838	200' 384	403' 612
8	0' 7	197' 742	195' 285	393' 498	7	54' 0	200' 384	202' 766	403' 590

in
Bar. 30° 14. Ther. 64° 3. Run + 1° 2. Images 2. Steadiness 2-3. F.P. 9° 50.

Sirius.

1882, March 20.

b

h	m	r	r	R	h	m	r	r	R
10	7' 2	193' 769	191' 367	385' 286	10	14' 8	194' 685	197' 103	391' 940
10	33' 7	191' 373	193' 738	385' 284	10	24' 6	197' 091	194' 679	391' 931
10	42' 2	193' 743	191' 332	385' 256	10	53' 5	194' 739	197' 061	391' 991
11	12' 9	191' 370	193' 717	385' 317	11	4' 0	197' 059	194' 650	391' 913

in
Bar. 30° 14. Ther. 63° 3. Run + 0° 9. Images 3. Steadiness 3. F.P. 9° 50.

Sirius.

1882, March 21.

a

h	m	r	r	R	h	m	r	r	R
10	30' 0	194' 713	197' 089	391' 967	10	36' 6	193' 779	191' 324	385' 279
10	45' 3	197' 087	194' 652	391' 930	10	46' 9	191' 335	193' 740	385' 262
11	1' 1	194' 687	197' 069	391' 958	11	7' 3	193' 721	191' 332	385' 272
11	26' 1	197' 063	194' 660	391' 972	11	17' 1	191' 346	193' 716	385' 302

in
Bar. 30° 21. Ther. 63° 5. Run + 0° 3. Images 2-3. Steadiness 3. F.P. 9° 50.

Canopus.

1882, March 23.

b

h	m	r	r	R	h	m	r	r	R
10	36' 2	45' 185	47' 566	92' 807	10	44' 8	54' 960	52' 560	107' 590
11	4' 4	47' 555	45' 183	92' 802	10	57' 1	52' 575	54' 927	107' 578
11	11' 6	45' 128	47' 539	92' 733	11	19' 8	54' 938	52' 560	107' 585
11	36' 3	47' 578	45' 185	92' 839	11	29' 2	52' 556	54' 943	107' 592

in
Bar. 30° 00. Ther. 64° 5. Run + 3° 3. Images 2-3. Steadiness 3. F.P. 9° 50.

α_2 Centauri.

1882, March 23.

*a**b*

h	m	r	r	R	h	m	r	r	R
12	16	1	1	192°036	194°461	386°629	12	7	0
12	22	0	0	194°505	192°037	386°676	12	14	7
12	29	8	0	192°036	194°454	386°625	12	37	2
12	55	9	0	194°464	192°962	386°662	12	46	9

in

Bar. 29°98.

Ther. 63°0.

Run + 3°3.

Images 2.

Steadiness 2.

Canopus.

1882, March 24.

*a**b*

h	m	r	r	R	h	m	r	r	R		
10	16	5	52°627	54°952	107°639	10	21	6	47°543	45°160	92°755
10	35	1	54°074	52°591	107°632	10	28	0	45°182	47°545	92°781
10	42	3	52°589	54°952	107°611	10	48	3	47°558	45°190	92°807
11	3	3	54°945	52°555	107°579	10	56	1	45°173	47°558	92°793

in

Bar. 29°87. Ther. 59°0. Run + 4°0. Images 2. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1882, March 24.

*b**a*

h	m	r	r	R	h	m	r	r	R		
11	18	4	243°169	240°786	484°103	11	26	1	192°067	194°467	386°662
11	40	8	240°771	243°183	484°106	11	32	5	194°448	192°028	386°605
11	50	1	243°188	240°751	484°092	11	59	6	192°050	194°461	386°643
12	18	3	240°788	243°184	484°129	12	10	2	194°436	192°020	386°589

in

Bar. 29°87. Ther. 59°0. Run + 2°7. Images 1-2. Steadiness 2.

Canopus.

1882, March 31.

*b**a*

h	m	r	r	R	h	m	r	r	R		
11	19	7	47°483	45°203	92°756	11	25	1	52°607	54°892	107°590
11	38	0	45°205	47°490	92°772	11	32	1	54°891	52°599	107°585
11	44	6	47°475	45°199	92°754	11	52	4	52°592	54°911	107°614
12	7	3	45°171	47°409	92°731	12	0	2	54°882	52°594	107°593

in

Bar. 30°06. Ther. 64°0. Run + 1°7. F.P. 9°50.

Canopus.

1882, April 1.

*a**b*

h	m	r	r	R	h	m	r	r	R		
11	4	7	52°630	54°887	107°596	11	9	5	47°509	45°216	92°792
11	21	2	54°889	52°590	107°568	11	15	8	45°224	47°514	92°807
11	25	9	52°600	54°885	107°576	11	31	4	47°519	45°162	92°756

in

Bar. 30°05. Ther. 62°5. Run + 2°1. Images 2. Steadiness 2. F.P. 9°50.

e Indi.

1882, April 2.

b

h	m	r	h	m	r	h	m	r
15	56.3	201.788	204.	140	406.397	16	2.4	230.586
16	15.9	204.109	201.	849	406.356	16	9.9	228.375
16	20.2	201.830	204.	226	406.441	16	25.3	230.588
16	39.2	204.175	201.	931	406.437	16	32.4	228.401

in Bar. 30° 14.

Ther. 62°.

Run + 2° 3.

Images 2-3.

a

h	m	r	h	m	r	h	m	r
			16	22.9	228.290	16	49.4	459.430
			16	56.2	230.622	16	59.5	459.517
			16	56.3	228.296	16	59.3	459.338
			16	56.3	230.631	16	59.4	459.461

Steadiness 2-3.

ζ Tucanae.

1882, April 2.

b

h	m	r	h	m	r	h	m	r
17	2.3	200.575	202.	864	403.658	17	9.5	197.815
17	24.0	202.840	200.	565	403.582	17	17.4	195.498
17	29.6	200.604	202.	884	403.655	17	36.9	197.831
17	55.7	202.860	200.	552	403.548	17	46.9	195.560

in Bar. 30° 15.

Ther. 62°.

Run + 2° 7.

Images 2-3.

a

h	m	r	h	m	r	h	m	r
			17	17.4	197.835	17	36.9	195.489
			17	36.9	197.831	17	46.9	195.489
			17	46.9	197.865	17	55.5	393.550
			17	55.5	197.865	17	55.5	393.550

Steadiness 2-3.

e Indi.

1882, April 8.

a

h	m	r	h	m	r	h	m	r
16	46.1	230.636	228.	343	459.369	16	51.5	201.928
17	6.0	228.398	230.	701	459.433	16	58.7	204.190
17	11.4	230.703	228.	424	459.449	17	19.7	201.944
17	33.3	228.406	230.	722	459.403	17	26.7	204.231

in Bar. 30° 01.

Ther. 53°.

Run + 2° 8.

Images 1-2.

Steadiness 2.

h	m	r	h	m	r	h	m	r
			16	51.5	201.911	16	56.4	406.425
			16	58.7	201.906	16	56.3	406.385
			17	19.7	204.233	17	26.7	406.429
			17	26.7	201.913	17	33.3	406.384

F.P. 9° 55.

α₂ Centauri.

1882, April 8.

a

h	m	r	h	m	r	h	m	r
17	49.0	192.115	194.417	386.642	17	56.0	243.161	240.828
18	11.8	194.418	192.098	386.625	18	4.2	240.845	243.164
18	17.5	192.085	194.421	386.615	18	23.6	243.171	240.847
18	39.0	194.414	192.100	386.623	18	32.2	240.842	243.160

in Bar. 30° 01.

Ther. 51° 5.

Run + 2° 5.

Images 1-2.

Steadiness 2.

h	m	r	h	m	r	h	m	r
			17	56.0	243.160	17	56.0	484.128
			18	4.2	240.845	18	4.2	484.147
			18	23.6	243.171	18	23.6	484.154
			18	32.2	240.842	18	32.2	484.138

F.P. 9° 55.

α₂ Centauri.

1882, April 11.

b

h	m	r	h	m	r	h	m	r
11	2.7	243.111	240.811	484.069	11	9.8	192.108	194.399
11	24.1	240.829	243.143	484.123	11	18.2	194.403	192.100
11	30.4	243.131	240.848	484.131				

in Bar. 30° 08.

Ther. 56° 5.

Run + 1° 2.

Images 1-2.

Steadiness 1-2.

h	m	r	h	m	r	h	m	r
			11	9.8	192.108	11	9.8	386.633
			11	18.2	194.403	11	18.2	386.631

F.P. 9° 50.

α₂ Centauri.

1882, April 12.

a

h	m	r	r	R	h	m	r	r	R
12	37.8	194° 395	192° 116	386° 646	12	44.2	240° 813	243° 814	484° 087
13	0.2	192° 125	194° 403	386° 664	12	52.0	243° 129	240° 804	484° 094
13	4.9	194° 388	192° 104	386° 628	13	11.0	240° 813	243° 120	484° 096
13	32.5	192° 128	194° 434	386° 698	13	23.1	243° 119	240° 833	484° 115

in

Bar. 30° 05. Ther. 62° 5. Run + 2° 0. Images 2. Steadiness 2-3. F.P. 9° 50.

ε Indi.

1882, April 17.

b

h	m	r	r	R	h	m	r	r	R
19	6.1	204° 287	201° 986	406° 412	19	13.0	228° 438	230° 748	459° 344
19	26.0	201° 993	204° 282	406° 404	19	20.0	230° 753	228° 449	459° 357
19	31.8	204° 307	201° 983	406° 418	19	39.7	228° 452	230° 761	459° 358

in

Bar. 30° 26. Ther. 60° 0. Run + 2° 2. Images 2. Steadiness 2-3. F.P. 9° 50.

ε Indi.

1882, April 18.

a

h	m	r	r	R	h	m	r	r	R
17	45.7	228° 417	230° 746	459° 412	17	52.6	204° 219	201° 953	406° 372
18	8.7	230° 718	228° 429	459° 360	17	59.3	201° 964	204° 292	406° 448
18	15.2	228° 466	230° 753	459° 424	18	23.2	204° 257	201° 972	406° 398
18	38.0	230° 759	228° 453	459° 394	18	30.2	201° 990	204° 273	406° 428

in

Bar. 30° 08. Ther. 61° 0. Run + 1° 4. Images 2-3. Steadiness 2-3.

ζ Tucanae.

1882, April 18.

b

h	m	r	r	R	h	m	r	r	R
18	51.3	195° 549	197° 842	393° 501	18	59.9	202° 869	200° 582	403° 564
19	16.7	197° 830	195° 518	393° 460	19	8.7	200° 589	202° 894	403° 596
19	24.1	195° 559	197° 852	393° 525	19	31.3	202° 885	200° 604	403° 604
19	47.4	197° 832	195° 552	393° 503	19	41.3	200° 584	202° 857	403° 558

in

Bar. 30° 08. Ther. 57° 5. Run + 1° 3. Images 2-3. Steadiness 2-3.

ε Indi.

1882, April 19.

b

h	m	r	r	R	h	m	r	r	R
15	45.3	204° 063	201° 820	406° 398	15	51.9	228° 268	230° 566	459° 444
16	7.9	201° 878	204° 168	406° 465	16	0.7	230° 536	228° 303	459° 405
16	23.5	204° 145	201° 889	406° 411	16	33.5	228° 344	230° 642	459° 412
16	54.6	201° 908	204° 209	406° 413	16	45.3	230° 633	228° 361	459° 382

in

Bar. 30° 03. Ther. 58° 3. Run + 1° 1. Images 2. Steadiness 3-4. F.P. 9° 52.

α_2 Centauri.

1882, April 21.

a

h	m	r	r	R
13	42	194°395	192°120	386°654
13	316	192°126	194°386	386°652
13	397	194°390	192°104	386°633
14	263	192°134	194°396	386°666

in Bar. 30°17. Ther. 53°0. Run + 2°4. Images 1-2. Steadiness 2. F.P. 9°50.

b

h	m	r	r	R
13	134	240°827	243°107	484°100
13	224	243°107	240°807	484°081
14	12	240°818	243°103	484°090
14	133	243°110	240°843	484°122

 α_2 Centauri.

1882, April 22.

b

h	m	r	r	R
11	293	240°812	243°119	484°083
11	598	243°096	240°817	484°071
12	118	240°807	243°109	484°075
12	527	243°088	240°825	484°076

in Bar. 30°18. Ther. 57°0. Run + 1°2. Images 2-3. Steadiness 3. F.P. 9°50.

a

h	m	r	r	R
11	394	194°388	192°086	386°666
11	499	192°096	194°399	386°628
12	268	194°408	192°097	386°642
12	403	192°097	194°399	386°633

 α_2 Centauri.

1882, April 25.

a

h	m	r	r	R
13	196	194°370	192°099	386°607
13	196	194°416	192°118	386°672
14	09	192°123	194°395	386°655
14	09	192°115	194°403	386°655

in Bar. 30°15. Ther. 57°0. Run + 1°6. Images 1-2. Steadiness 2. F.P. 9°52.

b

h	m	r	r	R
13	335	240°815	243°124	484°105
13	335	240°804	243°116	484°086
13	483	243°090	240°812	484°069
13	483	243°111	240°836	484°114

 ϵ Indi.

1882, April 25.

a

h	m	r	r	R
15	514	228°224	230°522	459°367
16	156	230°559	228°308	459°368
16	239	228°311	230°615	459°393

in Bar. 30°15. Ther. 54°0. Run + 3°1. Images 2. Steadiness 2-3.

b

h	m	r	r	R
15	590	204°118	201°849	406°432
16	73	201°846	204°123	406°402
16	340	204°155	201°953	406°458

 α_2 Centauri.

1882, May 4.

b

h	m	r	r	R
18	396	240°847	243°151	484°133
19	38	243°140	240°831	484°109
19	106	240°855	243°146	484°131

in Bar. 30°25. Ther. 57°3. Run + 2°8. Images 2-3. Steadiness 2-3. F.P. 9°50.

a

h	m	r	r	R
18	473	194°388	192°105	386°604
18	554	192°090	194°406	386°609
19	197	194°408	192°101	386°628

in Bar. 31°0. Ther. 57°3. Run + 2°8. Images 2-3. Steadiness 2-3. F.P. 9°50.

ζ Tucanae.

1882, May 4.

b

h	m	r	r	R	h	m	r	r	R
19	52'6	202'897	200'573	403'589	20	0'6	195'530	197'833	393'485
20	18'8	200'577	202'887	403'587	20	10'8	197'811	195'529	393'464
20	26'1	202'868	200'568	403'562	20	35'3	195'522	197'807	393'461
20	55'2	200'591	202'889	403'612	20	46'1	197'829	195'507	393'470

in

Bar. 30°24. Ther. 57°8. Run + 2°3. Images 2-3. Steadiness 2-3.

a ϵ Indi.

1882, May 6.

b

h	m	r	r	R	h	m	r	r	R
16	17'8	201'862	204'164	406'424	16	25'4	230'571	228'304	459'336
16	42'2	204'179	201'861	406'369	16	33'8	228'324	230'622	459'376
16	49'9	201'879	204'200	406'390	16	57'9	230'654	228'387	459'398
17	15'7	204'221	201'905	406'385	17	7'8	228'383	230'658	459'372

in

Bar. 30°07. Ther. 52°5. Run + 3°5. Images 2. Steadiness 2-3. F.P. 9°50.

a α_3 Centauri.

1882, May 6.

a

h	m	r	r	R	h	m	r	r	R
17	27'0	192'100	194'438	386'649	17	35'8	243'144	240'812	484'099
17	52'2	194'402	192'111	386'622	17	43'2	240'845	243'150	484'136
18	1'1	192'126	194'427	386'662	18	9'9	243'138	240'824	484'100
18	25'7	194'433	192'113	386'655	18	17'1	240'823	243'138	484'098

in

Bar. 30°06. Ther. 51°5. Run + 2°7. Images 2. Steadiness 2-3.

b α_2 Centauri.

1882, May 11.

b

h	m	r	r	R	h	m	r	r	R
19	29'5	243'104	240'829	484'078	19	39'1	192'133	194'423	386'686
19	55'7	240'840	243'099	484'104	19	49'3	194'406	192'095	386'638
20	5'8	243'128	240'813	484'116	20	14'2	192'085	194'403	386'651
20	36'5	240'820	243'089	484'133	20	25'3	194'396	192'082	386'658

in

Bar. 30°01. Ther. 54°0. Run + 3°6. Images 2-3. Steadiness 2-3. F.P. 9°50.

a ϵ Indi.

1882, May 18.

a

h	m	r	r	R	h	m	r	r	R
15	56'8	230'541	228'252	459'390	16	5'7	201'830	204'120	406'392
16	23'3	228'305	230'615	459'393	16	15'8	204'153	201'856	406'417
16	29'1	230'600	228'325	459'376	16	40'8	201'952	204'163	406'451
17	1'3	228'371	230'667	459'388	16	51'3	204'175	201'928	405'413

in

Bar. 30°22. Ther. 51°0. Run + 1°2. Images 2. Steadiness 3-4. F.P. 9°50.

α_2 Centauri.

1882, May 18.

a

h	m	r	r	R
17	22.0	192.137	194.417	386.677
17	48.4	194.400	192.121	386.632
17	57.2	192.113	194.427	386.650
18	27.4	194.405	192.130	386.645

in

Bar. 30°.21.

Ther. 50°.5.

Run + 3°.3.

Images 2.

Steadiness 2-3.

b

h	m	r	r	R
17	29.8	243.124	240.814	484.082
17	38.8	240.827	243.140	484.110
18	9.0	243.124	240.830	484.093
18	17.0	240.818	243.122	484.078

in

Bar. 30°.21.

Ther. 50°.5.

 α_2 Centauri.

1882, May 19.

b

h	m	r	r	R
16	33.6	243.134	240.797	484.083
16	59.7	240.828	243.137	484.112
17	10.7	243.138	240.825	484.109
17	40.4	240.817	243.159	484.119

in

Bar. 30°.02.

Ther. 49°.5.

Run + 3°.7.

Images 2.

a

h	m	r	r	R
16	42.6	192.112	194.443	386.673
16	51.8	194.418	192.099	386.634
17	22.6	192.108	194.434	386.655
17	31.1	194.442	192.118	386.672

in

Bar. 30°.02.

Ther. 49°.5.

Run + 3°.7.

Images 2.

Steadiness 2-3.

F.P. 9°.50.

 α_2 Centauri.

1882, May 20.

a

h	m	r	r	R
11	32.2	194.412	192.087	386.630
12	1.0	192.092	194.450	386.677

in

Bar. 30°.18.

Ther. 55°.0.

Run + 3°.0.

Images 2.

b

h	m	r	r	R
11	39.2	240.776	243.125	484.055
11	47.8	243.135	240.788	484.079

in

Bar. 30°.18.

Ther. 55°.0.

Run + 3°.0.

Images 2.

Steadiness 2.

F.P. 9°.50.

 α_2 Centauri.

1882, May 21.

b

h	m	r	r	R
11	18.4	243.109	240.796	484.057
11	43.8	240.816	243.132	484.105
11	49.9	243.113	240.788	484.069
12	22.8	240.794	243.138	484.095

in

Bar. 30°.46.

Ther. 54°.8.

Run + 2°.7.

Images 2-3.

Steadiness 2-3.

F.P. 9°.50.

a

h	m	r	r	R
11	25.8	192.095	194.440	386.667
11	35.1	194.408	192.098	386.640
11	58.7	192.108	194.432	386.676

in

Bar. 30°.46.

Ther. 54°.8.

Run + 2°.7.

Images 2-3.

Steadiness 2-3.

F.P. 9°.50.

 α_2 Centauri.

1882, May 22.

a

h	m	r	r	R
11	13.1	194.412	192.099	386.639
11	36.6	192.114	194.428	386.675
11	43.1	194.448	192.126	386.708
12	11.1	192.102	194.419	386.658

in

Bar. 30°.28.

Ther. 51°.8.

Run + 2°.7.

Images 1-2.

Steadiness 2-3.

F.P. 9°.50.

b

h	m	r	r	R
11	20.6	240.810	243.108	484.070
11	28.8	243.135	240.798	484.087
11	51.7	240.799	243.144	484.102

in

Bar. 30°.28.

Ther. 51°.8.

Run + 2°.7.

Images 1-2.

Steadiness 2-3.

F.P. 9°.50.

α_2 Centauri.

1882, May 22.

b

h	m	r	r	R	h	m	r	r	R
17	47.9	240.819	243.111	484.073	17	56.7	194.423	192.088	386.622
18	14.8	243.143	240.786	484.069	18	5.7	192.107	194.442	386.660
18	21.7	240.818	243.162	484.119	18	28.9	194.474	192.091	386.676
18	48.8	243.115	240.818	484.073	18	41.6	192.109	194.436	386.657

in Bar. 30°28. Ther. 46°o. Run + 2°9. Images 2. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1882, May 24.

b

h	m	r	r	R	h	m	r	r	R
9	49.5	243.113	240.807	484.057	10	1.0	192.112	194.418	386.646
10	18.7	240.809	243.156	484.106	10	11.2	194.428	192.108	386.654
10	24.8	243.157	240.794	484.093	10	31.9	192.104	194.427	386.652
10	54.9	240.814	243.127	484.088	10	44.3	194.418	192.099	386.640

in Bar. 30°43. Ther. 57°o. Run + 1°9. Images 2. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1882, May 25.

a

h	m	r	r	R	h	m	r	r	R
9	52.4	192.011	194.546	386.670	10	2.6	243.207	240.709	484.053
10	18.4	194.527	192.026	386.670	10	10.2	240.716	243.205	484.060
10	26.2	192.038	194.503	386.660	10	33.2	243.207	240.715	484.064
10	53.6	194.523	192.020	386.667	10	44.1	240.711	243.232	484.087

in Bar. 30°40. Ther. 59°o. Run + 2°7. Images 2-3. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1882, May 25.

a

h	m	r	r	R	h	m	r	r	R
19	17.1	192.026	194.516	386.664	19	23.6	243.219	240.708	484.074
19	39.8	194.498	191.993	386.623	19	31.6	240.684	243.212	484.046
19	48.1	192.029	194.512	386.680	19	55.9	243.208	240.696	484.073
20	13.2	194.487	192.008	386.660	20	4.1	240.722	243.188	484.086

in Bar. 30°38. Ther. 50°o. Run + 3°8. Images 2. Steadiness 2.

 α_2 Centauri.

1882, May 29.

b

h	m	r	r	R	h	m	r	r	R
17	4.1	243.201	240.714	484.063	17	11.0	192.035	194.513	386.662
17	28.7	240.752	243.197	484.092	17	19.0	194.494	192.038	386.645
18	0.8	243.198	240.747	484.084	18	11.4	192.056	194.488	386.654
18	31.9	240.758	243.208	484.103	18	22.3	194.524	192.044	386.678

in Bar. 30°08. Ther. 49°o. Run + 1°9. Images 2. Steadiness 2. F.P. 9°50.

e Eridani.

1882, June 25.

a

h	m	r	r	R	h	m	r	r	R
0 5° 0	256° 962	254° 499	511° 645		0 14° 9	267° 823	270° 319	538° 334	
0 36° 2	254° 523	256° 963	511° 651		0 25° 7	270° 318	267° 838	538° 340	
0 43° 3	256° 952	254° 511	511° 625		0 50° 8	267° 853	270° 299	538° 323	
1 5° 9	254° 512	256° 984	511° 651		0 59° 2	270° 372	267° 861	538° 401	

in Bar. 30° 39. Ther. 50° 0. Run + 3° 5. Images 2-3. Steadiness 2-3. F.P. 9° 50.

b

e Eridani.

1882, June 29.

a

h	m	r	r	R	h	m	r	r	R
23 13° 9	267° 801	270° 234	538° 301		23 20° 7	256° 890	254° 437	511° 599	
23 41° 1	270° 295	267° 796	538° 315		23 33° 6	254° 450	256° 913	511° 578	
23 49° 6	267° 803	270° 263	538° 280		23 57° 6	256° 961	254° 453	511° 604	
0 17° 9	270° 292	267° 822	538° 303		0 9° 6	254° 482	256° 913	511° 576	

in Bar. 30° 18. Ther. 45° 5. Run + 3° 6. Images 1-2. Steadiness 2. F.P. 9° 50.

a

e Eridani.

1882, July 1.

b

h	m	r	r	R	h	m	r	r	R
23 20° 5	256° 834	254° 391	511° 459		23 29° 1	267° 742	270° 177	538° 161	
23 47° 3	254° 393	256° 837	511° 431		23 38° 8	270° 162	267° 704	538° 094	
23 54° 7	256° 844	254° 398	511° 435		0 3° 3	267° 728	270° 208	538° 138	
0 25° 4	254° 413	256° 854	511° 439		0 15° 6	267° 737	270° 173	538° 102	

in Bar. 30° 15. Ther. 42° 8. Run + 2° 2. Images 2. Steadiness 2-3. F.P. 9° 50.

b

e Eridani.

1882, July 7.

a

h	m	r	r	R	h	m	r	r	R
23 45° 2	270° 159	267° 709	538° 083		23 52° 8	254° 406	256° 845	511° 442	
0 14° 4	267° 736	270° 195	538° 119		0 6° 0	256° 849	254° 386	511° 415	
0 30° 4	270° 213	267° 746	538° 137		0 38° 9	254° 413	256° 856	511° 430	
0 55° 1	267° 749	270° 201	538° 115		0 45° 3	256° 848	254° 410	511° 417	

in Bar. 30° 15. Ther. 55° 0. Run + 1° 5. Images 2-3. Steadiness 2. F.P. 9° 50.

a

e Eridani.

1882, July 9.

b

h	m	r	r	R	h	m	r	r	R
22 44° 3	254° 384	256° 822	511° 510		22 51° 4	270° 137	267° 691	538° 145	
23 9° 0	256° 842	254° 372	511° 466		23 1° 9	267° 704	270° 178	538° 173	
23 14° 6	254° 367	256° 833	511° 444		23 23° 4	270° 168	267° 721	538° 140	
23 43° 1	256° 845	254° 408	511° 460		23 34° 1	267° 724	270° 163	538° 123	

Ther. 44° 0. Run + 1° 5. Images 1-2. Steadiness 2. F.P. 9° 50.

α_2 Centauri.

1882, August 1.

a¹

h	m	r	r	R	h	m	r	r	R	
18	11	1	110°076	107°592	217°781	18	17	5	112°815	115°298
18	31	5	107°603	110°038	217°766	18	24	4	115°289	112°801
18	37	5	110°042	107°604	217°774	18	46	0	112°886	115°290
19	3	0	107°596	110°058	217°800	18	55	6	115°248	112°800

in Bar. 30°47. Ther. 56°.0. Run + 0°.9. Images 2. Steadiness 2-3. F.P. 9°.50.

 α_2 Centauri.

1882, August 2.

b¹

h	m	r	r	R	h	m	r	r	R	
19	55	9	115°227	112°716	228°156	20	6	6	110°040	107°552
20	0	3	112°755	115°232	228°205	20	13	3	107°563	110°013
20	32	3	115°219	112°758	228°241	20	20	9	109°996	107°556
20	39	0	112°787	115°206	228°268	20	26	2	107°527	110°011

in Bar. 30°36. Ther. 58°.0. Run + 3°.0. Images 2. Steadiness 2. F.P. 9°.50.

 α_2 Centauri.

1882, August 3.

a¹

h	m	r	r	R	h	m	r	r	R	
19	17	0	107°585	110°060	217°802	19	31	3	112°829	115°239
19	23	8	110°031	107°598	217°792	19	37	7	115°238	112°763
20	1	7	107°534	110°027	217°762	19	46	3	112°803	115°271
20	10	4	110°026	107°554	217°789	19	51	8	115°296	112°761

in Bar. 30°33. Ther. 56°.0. Run + 1°.2. Images 2-3. Steadiness 3. F.P. 9°.50.

 α_2 Centauri.

1882, August 6.

b¹

h	m	r	r	R	h	m	r	r	R	
19	44	3	112°760	115°218	228°182	19	50	6	110°073	107°548
20	8	7	115°239	112°707	228°180	20	1	9	107°508	110°053
20	17	1	112°752	115°241	228°239	20	25	4	110°071	107°527
20	42	7	115°263	112°749	228°300	20	34	5	107°542	110°049

in Bar. 30°28. Ther. 44°.5. Run + 4°.3. Images 2-3. Steadiness 2. F.P. 9°.38.

 α_2 Centauri.

1882, August 7.

a¹

h	m	r	r	R	h	m	r	r	R	
19	6	5	107°615	109°998	217°761	19	11	4	115°240	112°863
19	30	6	110°035	107°601	217°806	19	20	3	112°819	115°250
19	46	0	107°603	110°012	217°799	19	51	5	115°210	112°804
20	7	3	109°980	107°595	217°781	20	1	0	112°826	115°172

in Bar. 30°29. Ther. 55°.0. Run + 4°.1. Images 2. Steadiness 2-3. F.P. 9°.50.

α_2 Centauri.

1882, August 11.

 a^1

h	m	r	r	R	h	m	r	r	R
19	6.5	115.206	112.849	228.217	19	19.5	110.028	107.622	217.811
19	11.7	112.878	115.201	228.246	19	24.6	107.639	109.991	217.805
19	44.6	115.180	112.802	228.183	19	33.2	109.984	107.582	217.739
19	50.0	112.810	115.195	228.213	19	38.2	107.586	110.006	217.769

in Bar. 30° 22. Ther. 51° 0. Run + 3° 7. Images 2. Steadiness 2.

 α_2 Centauri.

1882, August 12.

 a^1

h	m	r	r	R	h	m	r	r	R
19	24.0	107.627	110.006	217.797	19	34.5	112.830	115.200	228.219
19	28.7	110.009	107.643	217.819	19	38.4	115.185	112.829	228.207
19	56.3	107.591	109.971	217.757	19	46.3	112.806	115.207	228.216
20	1.0	110.011	107.626	217.838	19	50.8	115.213	112.812	228.234

in Bar. 30° 11. Ther. 50° 0. Run + 2° 9. Images 1. Steadiness 1.

 α_2 Centauri.

1882, August 18.

 b^1

h	m	r	r	R	h	m	r	r	R
19	44.0	110.057	107.606	217.848	19	56.0	115.212	112.781	228.210
19	49.4	107.636	110.010	217.837	19	59.6	112.792	115.196	228.209
20	22.3	110.029	107.612	217.869	20	9.2	115.174	112.831	228.238
20	29.0	107.580	110.017	217.834	20	14.9	112.760	115.195	228.196

in Bar. 30° 22. Ther. 47° 0. Run + 2° 0. Images 2. Steadiness 2.

Canopus.

1882, September 1.

 a

h	m	r	r	R	h	m	r	r	R
0	18.7	54.958	52.487	107.576	0	29.0	47.524	45.050	92.695
0	23.8	52.479	54.931	107.537	0	36.9	45.112	47.550	92.775
0	55.7	54.971	52.534	107.609	0	41.7	47.536	45.103	92.748
1	0.9	52.525	54.969	107.594	0	47.4	45.074	47.542	92.720

in Bar. 30° 23. Ther. 43° 0. Run + 3° 6. Images 2. Steadiness 2-3.

Sirius.

1882, September 1.

 a

h	m	r	r	R	h	m	r	r	R
1	54.2	195.581	195.589	391.854	2	7.5	192.388	192.386	385.275
1	59.8	195.644	195.620	391.891	2	13.1	192.416	192.433	385.314
2	33.5	195.731	195.733	391.864	2	19.5	192.448	192.445	385.323
2	40.0	195.748	195.778	391.899	2	27.7	192.497	192.409	385.295

in Bar. 30° 23. Ther. 44° 0. Run + 4° 1. Images 2. Steadiness 2-3. F.P. 9° 50.

Sirius. 1882, September 3.

b

h	m	r	r	R	h	m	r	r	R
3	44 ¹	192 ⁵⁴⁰	192 ⁵¹⁰	385 ²⁴⁹	3	54 ⁶	195 ⁸⁷³	195 ⁸⁵¹	391 ⁹²³
3	49 ⁰	192 ⁵⁴⁶	192 ⁵⁶¹	385 ³⁰⁰	3	58 ⁵	195 ⁸⁴¹	195 ⁸⁰⁷	391 ⁸⁴²
4	17 ⁸	192 ⁵⁶⁹	192 ⁵³⁹	385 ²⁷³	4	5 ⁶	195 ⁸⁶²	195 ⁸⁴⁶	391 ⁸⁹⁴
4	23 ⁴	192 ⁵⁷⁰	192 ⁵⁶⁹	385 ²⁹⁹	4	12 ⁰	195 ⁸⁴⁷	195 ⁸³⁰	391 ⁸⁵⁵

in
Bar. 30°30. Ther. 49°0. Run + 4°3. Images 2. Steadiness 2. F.P. 9°50.*a*

Sirius. 1882, September 8.

a

h	m	r	r	R	h	m	r	r	R
3	17 ⁰	197 ⁰²⁰	194 ⁶⁰⁴	391 ⁸⁸¹	3	28 ⁵	193 ⁷⁹⁷	191 ²⁹⁶	385 ³¹²
3	22 ²	194 ⁵⁶¹	197 ⁰⁹⁵	391 ⁹⁰³	3	32 ⁵	191 ²⁶⁰	193 ⁷⁶²	385 ²³⁶
3	55 ⁸	197 ⁰⁹³	194 ⁶³⁸	391 ⁹²⁶	3	40 ⁷	193 ⁷⁷³	191 ³⁰⁸	385 ²⁸²
3	59 ⁹	194 ⁶²¹	197 ⁰⁷¹	391 ⁸⁸³	3	48 ⁰	191 ²⁹⁴	193 ⁸⁰⁶	385 ²⁹²

in
Bar. 30°21. Ther. 52°0. Run + 5°0. Images 2. Steadiness 2.*b*

Sirius. 1882, September 25.

b

h	m	r	r	R	h	m	r	r	R
3	58 ⁷	191 ³²⁷	193 ⁷⁹⁰	385 ²⁹⁸	4	11 ³	194 ⁶²³	197 ⁰⁵³	391 ⁸⁵³
4	4 ⁵	193 ⁷⁸²	191 ²⁹⁶	385 ²⁵³	4	18 ³	197 ¹⁰⁸	194 ⁵⁸⁷	391 ⁸⁶⁶
4	40 ⁵	191 ³⁴³	193 ⁷⁸⁸	385 ²⁷⁷	4	27 ⁷	194 ⁶⁵⁵	197 ⁰⁶⁰	391 ⁸⁷⁸
4	45 ³	193 ⁷⁹⁵	191 ³⁵¹	385 ²⁹⁰	4	32 ⁷	197 ⁰⁹⁹	194 ⁶³¹	391 ⁸⁹⁰

in
Bar. 30°08. Ther. 51°0. Run + 4°8. Images 2. Steadiness 1-2. F.P. 9°50.*a*

Sirius. 1882, September 27.

a

h	m	r	r	R	h	m	r	r	R
4	15 ⁵	194 ⁶⁵¹	197 ⁰⁶⁰	391 ⁸⁸⁸	4	26 ²	191 ³⁸³	193 ⁷⁹³	385 ³³⁵
4	20 ⁶	197 ¹¹³	194 ⁶⁴⁴	391 ⁹³⁰	4	30 ³	193 ⁷⁶⁸	191 ³⁸³	385 ³⁰⁶
4	52 ²	194 ⁶³⁸	197 ⁰⁸⁶	391 ⁸⁷³	4	43 ¹	191 ³³³	193 ⁷⁹⁷	385 ²⁷⁸
4	56 ²	197 ⁰³⁸	194 ⁶¹⁶	391 ⁸⁰⁰	4	47 ⁸	193 ⁸⁰³	191 ³³⁴	385 ²⁸²

in
Bar. 30°56. Ther. 50°0. Run + 3°8. Images 2-3. Steadiness 2. F.P. 9°50.*b*

Sirius. 1882, September 28.

b

h	m	r	r	R	h	m	r	r	R
3	42 ⁵	193 ⁷³⁰	191 ³⁰⁹	385 ²³⁹	3	52 ⁶	197 ¹⁴⁵	194 ⁶⁴⁰	391 ⁹⁸⁵
3	46 ⁷	191 ²⁷⁶	193 ⁷⁴¹	385 ²¹²	3	58 ³	194 ⁵⁸⁹	197 ⁰⁸⁷	391 ⁸⁶⁹
4	20 ⁹	193 ⁷⁹⁴	191 ³⁹¹	385 ³⁴⁷	4	6 ⁵	197 ⁰⁸⁶	194 ⁶⁵⁸	391 ⁹²⁸
4	28 ⁰	191 ³⁶¹	193 ⁸²¹	385 ³³⁸	4	12 ⁹	194 ⁶¹⁰	197 ⁰⁶⁴	391 ⁸⁵¹

in
Bar. 30°24. Ther. 51°0. Run + 3°1. Images 2. Steadiness 2-3. F.P. 9°50.

Sirius.

1882, September 30.

a

h	m	r	h	m	r	h	m	r
3 41.7	194.537	197.065	3 52.1	191.310	193.785	385.285		
3 46.4	197.048	194.604	3 56.0	193.764	191.293	385.243		
4 15.2	194.628	197.066	4 2.6	191.325	193.778	385.282		
4 19.4	197.057	194.632	4 8.0	193.770	191.311	385.256		

in
Bar. 30° 44. Ther. 49°. Run + 3°. Images 1-2. Steadiness 1-2. F.P. 9° 50.

Sirius.

1882, October 1.

b

h	m	r	h	m	r	h	m	r
3 42.5	193.784	191.255	3 57.8	197.064	194.569	391.827		
3 47.3	191.295	193.796	4 6.2	194.600	197.041	391.825		
4 31.3	191.273	193.774	4 24.3	197.047	194.631	391.846		

in
Bar. 30° 32. Ther. 51°. Run + 4°. Images 2-3. Steadiness 2-3. F.P. 9° 50.

Sirius.

1882, October 2.

a

h	m	r	h	m	r	h	m	r
4 10.5	194.644	197.081	391.904	4 21.5	191.358	193.798	385.316	
4 15.3	197.079	194.643	391.896	4 27.6	193.801	191.352	385.308	
4 47.8	194.651	197.086	391.886	4 37.7	191.344	193.775	385.268	
4 54.7	197.078	194.667	391.890	4 42.1	193.812	191.335	385.293	

in
Bar. 30° 19. Ther. 52°. Run + 2°. Images 1-2. Steadiness 2. F.P. 9° 50.

Canopus.

1882, November 6.

a

h	m	r	h	m	r	h	m	r
1 33.8	52.548	54.971	107.601	1 50.1	45.141	47.589	92.796	
1 41.8	54.958	52.559	107.594	1 56.7	47.545	45.136	92.745	
2 20.7	52.532	54.989	107.585	2 6.1	45.123	47.585	92.768	
2 26.4	54.973	52.534	107.569	2 13.8	47.561	45.130	92.748	

in
Bar. 30° 47. Ther. 48°. Run + 5°. Images 2. Steadiness 2-3. F.P. 9° 50.

Canopus.

1882, November 7.

b

h	m	r	h	m	r	h	m	r
1 4.5	45.136	47.556	92.780	1 14.5	52.530	55.013	107.633	
1 8.0	47.561	45.114	92.761	1 19.0	54.950	52.537	107.573	
1 47.5	45.141	47.558	92.765	1 28.5	52.470	54.953	107.505	
1 59.5	47.545	45.155	92.760	1 39.5	54.973	52.544	107.594	

in
Bar. 30° 36. Ther. 57°. Run + 5°. Images 2-3. Steadiness 2. F.P. 9° 50.

Canopus. 1882, November 10.

a				b			
h 48° 5	m	r 54° 975	r 52° 567	107° 615		h 2 5° 4	r 47° 575
1 58° 0		52° 507	54° 923	107° 500		2 10° 2	45° 162
2 32° 4		55° 010	52° 545	107° 613		2 18° 4	47° 522
2 35° 6		52° 562	54° 963	107° 583		2 25° 4	45° 145

in Bar. 30° 17. Ther. 58° 0. Run + 5° 4. Images 2. Steadiness 2. F.P. 9° 50.

Sirius. 1883, January 28.

a				b			
h 16° 4	m	r 197° 135	r 194° 660	391° 960		h 22° 4	r 191° 345
4 37° 4		194° 706	197° 152	392° 008		4 29° 4	193° 743
4 41° 9		197° 121	194° 716	391° 983		4 46° 9	191° 315
5 2° 9		194° 719	197° 131	391° 984		4 56° 9	193° 780

in Bar. 29° 97. Ther. 72° 0. Run + 4° 3. Images 2-3. Steadiness 2-3. F.P. 9° 50.

Sirius. 1883, January 29.

b				a			
h 15° 3	m	r 191° 323	r 193° 779	385° 259		h 21° 8	r 197° 097
4 36° 8		193° 805	191° 370	385° 316		4 29° 3	194° 710

in Bar. 29° 97. Ther. 76° 0. Run + 3° 0. Images 2. Steadiness 2-3. F.P. 9° 50.

Sirius. 1883, January 30.

a				b			
h 38° 7	m	r 197° 118	r 194° 771	392° 038		h 44° 2	r 191° 376
4 58° 5		194° 711	197° 125	391° 973		4 51° 5	193° 726

in Bar. 29° 87. Ther. 70° 0. Run + 5° 2. Images 2-3. Steadiness 2-3. F.P. 9° 50.

Sirius. 1883, February 2.

b				a			
h 19° 4	m	r 191° 388	r 193° 762	385° 306		h 26° 4	r 197° 094
4 42° 4		193° 767	191° 371	385° 280		4 33° 4	194° 722

in Bar. 30° 02. Ther. 65° 0. Run + 3° 9. Images 1-2. Steadiness 2. F.P. 9° 50.

Sirius.				1883, February 4.			
<i>b</i>				<i>a</i>			
h	m	^r		h	m	^r	
4 28.7		191.391	193.764	385.305		197.148	194.729
4 45.7		193.769	191.383	385.292		4 41.2	194.726
in						197.119	391.031
Bar. 30.09.		Ther. 64°.0.		Run + 5.3.		Images 2.	Steadiness 2-3.

Sirius.				1883, February 5.			
<i>b</i>				<i>a</i>			
h	m	^r		h	m	^r	
4 32.6		191.350	193.774	385.270		197.111	194.692
4 50.1		193.766	191.369	385.272		4 44.6	194.737
in						197.124	391.953
Bar. 30.07.		Ther. 68°.0.		Run + 5.1.		Images 3.	Steadiness 3. F.P. 9.50.

Sirius.				1883, February 7.			
<i>a</i>				<i>b</i>			
h	m	^r		h	m	^r	
4 44.6		194.752	197.088	391.987		193.765	191.421
5 1.4		197.125	194.738	392.001		4 55.4	191.388
in						193.777	385.324
Bar. 30.05.		Ther. 66°.0.		Run + 4.1.		Images 2.	Steadiness 2-3. F.P. 9.50.

Sirius.				1883, March 5.			
<i>a</i>				<i>b</i>			
h	m	^r		h	m	^r	
9 26.8		197.154	194.772	392.051		9 33.3	191.378
9 48.1		194.759	197.124	392.016		9 40.7	193.815
9 56.3		197.129	194.700	391.967		10 2.6	191.358
10 23.0		194.741	197.120	392.015		10 12.5	193.756
in						191.324	385.231
Bar. 30.13.		Ther. 67°.0.		Run + 4.8.		Images 2-3.	Steadiness 2-3. F.P. 9.50.

Sirius.				1883, March 8.			
<i>b</i>				<i>a</i>			
h	m	^r		h	m	^r	
9 2.2		191.389	193.771	385.280		9 8.8	197.145
9 27.0		193.723	191.357	385.208		9 16.8	194.783
9 38.9		191.351	193.786	385.270		9 44.2	197.164
9 58.1		193.748	191.358	385.249		9 50.8	194.768
in						197.145	392.013
Bar. 30.18.		Ther. 61°.0.		Run + 4.6.		Images 3.	Steadiness 3. F.P. 9.50.

Sirius. 1883, March 12.

b

h	m	r	r	R
10 1° 9'	191° 321	193° 795	385° 260	
10 20° 0	193° 746	191° 375	385° 278	
10 29° 7	191° 357	193° 720	385° 242	
10 50° 0	193° 737	191° 346	385° 271	

in

Bar. 30° 01. Ther. 63° 0. Run + 5° 3. Images 3. Steadiness 3. F.P. 9° 50.

a

h	m	r	r	R
10 7° 1	197° 182	194° 718	392° 044	
10 13° 6	194° 718	197° 133	392° 000	
10 35° 0	197° 126	194° 730	392° 021	
10 41° 5	194° 709	197° 153	392° 034	

Sirius.

1883, March 13.

a

h	m	r	r	R
10 10° 7	197° 172	194° 729	392° 047	
10 25° 7	194° 714	197° 142	392° 012	
10 30° 9	197° 091	194° 722	391° 974	
10 50° 0	194° 727	197° 100	392° 007	

in

Bar. 30° 07. Ther. 67° 0. Run + 4° 1. Images 1-2. Steadiness 2-3. F.P. 9° 50.

b

Sirius.

1883, March 14.

a

h	m	r	r	R
10 9° 0	197° 142	194° 713	392° 002	
10 13° 6	194° 740	197° 158	392° 048	
10 41° 5	194° 701	197° 172	392° 046	
10 44° 2	197° 112	194° 693	391° 982	

in

Bar. 30° 23. Ther. 62° 0. Run + 4° 2. Images 2-3. Steadiness 2-3. F.P. 9° 50.

b

Sirius.

1883, March 16.

a

h	m	r	r	R
10 1° 7	191° 373	193° 772	385° 285	
10 7° 4	193° 732	191° 333	385° 210	
10 35° 8	193° 743	191° 345	385° 255	
10 41° 2	191° 293	193° 758	385° 225	

in

Bar. 30° 00. Ther. 73° 0. Run + 4° 0. Images 2-3. Steadiness 2-3. F.P. 9° 50.

a

Sirius.

1883, March 22.

b

h	m	r	r	R
9 6° 4	191° 380	193° 763	385° 263	
9 10° 3	193° 753	191° 342	385° 216	
9 45° 9	193° 802	191° 346	385° 282	
9 54° 4	191° 389	193° 746	385° 273	

in

Bar. 30° 10. Ther. 67° 0. Run + 3° 5. Images 3. Steadiness 2-3. F.P. 9° 50.

a

Canopus.

1883, March 24.

a

h	m	r	r	R
11	28° 0	54° 949	52° 498	107° 540
11	32° 0	52° 542	54° 968	107° 606
12	3° 5	54° 933	52° 509	107° 563
12	10° 0	52° 536	54° 916	107° 578

b

h	m	r	r	R
11	38° 0	47° 567	45° 128	92° 773
11	44° 0	45° 118	47° 513	92° 712
11	51° 2	47° 538	45° 134	92° 756
11	56° 1	45° 132	47° 569	92° 787

in Bar. 30° 13. Ther. 61° 0. Run + 5° 3. Images 2-3. Steadiness 2-3. F.P. 9° 50.

Sirius.

1883, March 25.

b

h	m	r	r	R
9	54° 0	191° 347	193° 783	385° 246
9	58° 0	193° 758	191° 332	385° 207
10	27° 3	191° 360	193° 770	385° 256
10	35° 0	193° 742	191° 323	385° 195

a

h	m	r	r	R
10	3° 9	197° 173	194° 711	392° 026
10	7° 6	194° 732	197° 113	391° 989
10	13° 7	197° 130	194° 750	392° 028
10	20° 6	194° 757	197° 105	392° 016

in Bar. 30° 10. Ther. 65° 0. Run + 3° 8. Images 2-3. Steadiness 2. F.P. 9° 50.

Sirius.

1883, March 27.

a

h	m	r	r	R
9	48° 2	197° 154	194° 751	392° 039
10	7° 5	194° 724	197° 162	392° 030
10	10° 5	197° 151	194° 743	392° 040
10	27° 7	194° 736	197° 113	392° 008

b

h	m	r	r	R
9	55° 5	191° 343	193° 758	385° 241
10	3° 0	193° 756	191° 330	385° 230
10	16° 5	191° 339	193° 775	385° 268
10	23° 0	193° 739	191° 390	385° 288

in Bar. 30° 08. Ther. 65° 0. Run + 5° 4. Images 2-3. Steadiness 2-3. F.P. 9° 50.

Sirius.

1883, March 28.

b

h	m	r	r	R
10	0° 0	191° 377	193° 742	385° 262
10	16° 7	193° 748	191° 332	385° 235
10	22° 7	191° 332	193° 780	385° 272
10	40° 5	193° 679	191° 351	385° 208

a

h	m	r	r	R
10	5° 5	197° 155	194° 727	392° 027
10	11° 5	194° 723	197° 160	392° 031
10	27° 7	197° 146	194° 759	392° 066
10	35° 5	194° 769	197° 089	392° 026

in Bar. 30° 14. Ther. 61° 0. Run + 3° 8. Images 2-3. Steadiness 2-3. F.P. 9° 50.

 α_2 Centauri.

1883, April 3.

b¹

h	m	r	r	R
9	46° 5	107° 658	110° 114	217° 934
10	10° 0	110° 106	107° 676	217° 926
10	17° 5	107° 676	110° 047	217° 862
10	39° 0	110° 091	107° 697	217° 913

a¹

h	m	r	r	R
9	55° 5	115° 135	112° 745	228° 037
10	2° 5	112° 758	115° 165	228° 075
10	26° 5	115° 129	112° 757	228° 021
10	33° 5	112° 780	115° 161	228° 072

in Bar. 30° 17. Ther. 53° 0. Run + 3° 2. Images 3. Steadiness 3. F.P. 9° 50.

α_2 Centauri. 1883, April 3.*a*¹*b*¹

h	m	r	r	R	h	m	r	r	R
17	4° 0	112° 838	115° 227	228° 152	17	9° 5	110° 095	107° 683	217° 863
17	25° 5	115° 230	112° 799	228° 115	17	18° 5	107° 681	110° 077	217° 846
17	31° 5	112° 842	115° 217	228° 158	17	39° 5	110° 087	107° 700	217° 884
17	54° 0	115° 206	112° 805	228° 121	17	48° 0	107° 654	110° 101	217° 855

in Bar. 30° 19. Ther. 56° 0. Run + 2° 8. Images 1-2. Steadiness 1-2. F.P. 9° 50.

 α_2 Centauri. 1883, April 4.*b*¹*a*¹

h	m	r	r	R	h	m	r	r	R
17	12° 3	107° 692	110° 105	217° 884	17	15° 8	115° 203	112° 840	228° 135
17	28° 3	110° 078	107° 671	217° 842	17	22° 8	112° 803	115° 206	228° 105
17	34° 5	107° 690	110° 088	217° 874	17	38° 3	115° 222	112° 823	228° 147
17	51° 3	110° 097	107° 662	217° 862	17	45° 3	112° 804	115° 215	228° 126

in Bar. 30° 15. Ther. 50° 0. Run + 3° 4. Images 1-2. Steadiness 1-2. F.P. 9° 50.

 α_2 Centauri. 1883, April 5.*b*¹*a*¹

h	m	r	r	R	h	m	r	r	R
11	20° 0	107° 698	110° 121	217° 921	11	24° 0	115° 198	112° 800	228° 101
11	37° 7	110° 092	107° 666	217° 883	11	32° 7	112° 798	115° 217	228° 115
11	44° 3	107° 688	110° 108	217° 887	11	49° 3	115° 185	112° 808	228° 086
12	3° 8	110° 088	107° 693	217° 866	11	56° 8	112° 837	115° 219	228° 146

in Bar. 30° 13. Ther. 56° 0. Run + 2° 5. Images 1-2. Steadiness 1-2. F.P. 9° 50.

 α_2 Centauri. 1883, April 7.*b*¹*a*¹

h	m	r	r	R	h	m	r	r	R
17	23° 1	107° 686	110° 076	217° 852	17	27° 5	115° 218	112° 809	228° 124
17	41° 6	110° 061	107° 707	217° 866	17	35° 3	112° 797	115° 230	228° 127
17	52° 8	107° 704	110° 103	217° 910	17	56° 9	115° 191	112° 779	228° 081
18	11° 0	110° 079	107° 679	217° 871	18	6° 0	112° 798	115° 183	228° 099

in Bar. 30° 04. Ther. 52° 0. Run + 5° 1. Images 2. Steadiness 2. F.P. 9° 50.

 α_2 Centauri. 1883, April 8.*a*¹*b*¹

h	m	r	r	R	h	m	r	r	R
11	12° 4	112° 809	115° 184	228° 100	11	18° 2	110° 093	107° 688	217° 882
11	31° 6	115° 198	112° 843	228° 119	11	25° 3	107° 699	110° 057	217° 854
11	37° 1	112° 834	115° 179	228° 109	11	42° 2	110° 128	107° 694	217° 913
11	56° 5	115° 202	112° 810	228° 101	11	49° 3	107° 682	110° 071	217° 841

in Bar. 30° 03. Ther. 62° 0. Run + 4° 5. Images 1-2. Steadiness 1-2. F.P. 9° 50.

α_2 Centauri.

1883, April 9.

 b^1 a^1

h	m	r	r	B	h	m	r	r	B
11	34.5	107.684	110.097	217.878	11	40.8	115.171	112.782	228.051
11	52.6	110.079	107.703	217.871	11	46.1	112.814	115.138	228.048
11	57.4	107.713	110.104	217.905	12	5.9	115.183	112.853	228.125

in Bar. 30°24. Ther. 52°. Run + 4°8. Images 1-2. Steadiness 1-2. F.P. 9°50.

 α_2 Centauri.

1883, April 10.

 b^1 a^1

h	m	r	r	B	h	m	r	r	B
17	34.2	107.716	110.063	217.874	17	38.6	115.188	112.834	228.124
17	57.6	110.086	107.691	217.883	17	52.1	112.806	115.224	228.139
18	16.0	107.666	110.068	217.850	18	22.1	115.168	112.813	228.109
18	35.3	110.060	107.658	217.845	18	28.5	112.807	115.205	228.144

in Bar. 30°26. Ther. 54°. Run + 4°0. Images 2. Steadiness 2. F.P. 9°50.

 α_2 Centauri.

1883, April 12.

 b^1 a^1

h	m	r	r	B	h	m	r	r	B
17	45.9	115.202	112.807	228.113	17	51.7	107.705	110.064	217.870
18	6.2	112.807	115.157	228.080	17	59.0	110.113	107.694	217.912
18	13.3	115.165	112.788	228.073	18	22.5	107.656	110.096	217.869
18	34.9	112.792	115.213	228.139	18	28.9	110.077	107.667	217.865

in Bar. 29°90. Ther. 57°. Run + 4°4. Images 2. Steadiness 2-3. F.P. 9°50.

 α_2 Centauri.

1883, April 14.

 b^1 a^1

h	m	r	r	B	h	m	r	r	B
17	11.5	110.113	107.713	217.910	17	17.9	112.838	115.198	228.127
17	30.0	107.705	110.092	217.889	17	25.5	115.145	112.811	228.051
17	36.2	110.098	107.670	217.862	17	43.6	112.822	115.164	228.089
18	5.2	107.709	110.060	217.877	17	56.5	115.170	112.826	228.105

in Bar. 30°21. Ther. 59°. Run + 2°5. Images 3. Steadiness 3. F.P. 9°50.

 α_2 Centauri.

1883, April 16.

 a^1 b^1

h	m	r	r	B	h	m	r	r	B
9	58.0	115.148	112.775	228.076	10	6.0	107.675	110.096	217.915
10	21.0	112.788	115.188	228.112	10	14.0	110.129	107.690	217.957
10	27.0	115.181	112.793	228.107	10	36.0	107.692	110.120	217.935
10	52.0	112.801	115.192	228.111	10	44.5	110.066	107.716	217.901

in Bar. 30°05. Ther. 60°. Run + 4°8. Images 2. Steadiness 2-3. F.P. 9°50.

α_2 Centauri.

1883, April 18.

a¹b¹

h	m	r	r	R	h	m	r	r	R
17	25.2	112.824	115.272	228.190	17	29.7	110.116	107.683	217.890
17	41.4	115.229	112.850	228.181	17	36.0	107.708	110.125	217.926
17	49.0	112.830	115.220	228.155	17	55.5	110.105	107.693	217.901
18	7.5	115.198	112.850	228.165	18	1.7	107.672	110.108	217.886

in
Bar. 30°.03. Ther. 60°.0. Run + 2°.4. Images 2-3. Steadiness 2-3. F.P. 9°.50. α_2 Centauri.

1883, April 20.

a¹b¹

h	m	r	r	R	h	m	r	r	R
9	39.4	112.796	115.171	228.132	9	44.8	110.078	107.698	217.935
10	1.0	115.162	112.793	228.103	9	51.5	107.686	110.104	217.943
10	38.7	112.784	115.185	228.093	10	41.9	110.140	107.710	217.969

in
Bar. 29°.77. Ther. 60°.5. Run + 3°.0. Images 2. Steadiness 2. F.P. 9°.50. α_2 Centauri.

1883, April 23.

b¹a¹

h	m	r	r	R	h	m	r	r	R
11	19.5	110.105	107.709	217.916	11	26.3	112.783	115.210	228.096
11	37.3	107.704	110.120	217.918	11	31.7	115.203	112.796	228.099
11	46.5	110.130	107.718	217.939	11	52.6	112.812	115.215	228.118
12	6.2	107.713	110.098	217.896	11	58.3	115.182	112.811	228.083

in
Bar. 29°.92. Ther. 57°.0. Run + 3°.4. Images 1-2. Steadiness 2. F.P. 9°.50. α_2 Centauri.

1883, April 28.

b¹a¹

h	m	r	r	R	h	m	r	r	R
17	38.9	110.096	107.721	217.913	17	44.9	112.801	115.219	228.123
17	56.5	107.720	110.077	217.900	17	50.8	115.217	112.834	228.157
18	5.4	110.104	107.680	217.893	18	12.3	112.772	115.196	228.087
18	26.5	107.697	110.080	217.896	18	18.5	115.190	112.798	228.112

in
Bar. 29°.89. Ther. 56°.0. Run + 3°.7. Images 2. Steadiness 2. F.P. 9°.50. α_2 Centauri.

1883, April 25.

a¹b¹

h	m	r	r	R	h	m	r	r	R
10	13.4	112.770	115.158	228.070	10	19.0	110.075	107.663	217.871
10	35.5	115.158	112.784	228.070	10	28.3	107.661	110.120	217.910
10	43.7	112.796	115.181	228.099	10	50.8	110.085	107.673	217.874

in
Bar. 30°.05. Ther. 59°.0. Run + 4°.3. Images 1-2. Steadiness 2-3. F.P. 9°.50.

α_2 Centauri.

1883, April 28.

 b^1 a^1

h	m	r	r	R	h	m	r	r	R
10	13 ¹ 2	107 ¹ 703	110 ¹ 094	217 ¹ 936	10	17 ¹ 6	115 ¹ 189	112 ¹ 774	228 ¹ 102
10	28 ¹ 0	110 ¹ 093	107 ¹ 686	217 ¹ 909	10	23 ¹ 8	112 ¹ 802	115 ¹ 177	228 ¹ 115
10	39 ¹ 2	107 ¹ 688	110 ¹ 111	217 ¹ 921	10	44 ¹ 7	115 ¹ 171	112 ¹ 783	228 ¹ 077
10	59 ¹ 0	110 ¹ 112	107 ¹ 724	217 ¹ 947	10	50 ¹ 0	112 ¹ 808	115 ¹ 183	228 ¹ 111

in
Bar. 30°20. Ther. 57°5. Run + 2°5. Images 2. Steadiness 2. F.P. 9°50.

Canopus.

1883, April 30.

 a b

h	m	r	r	R	h	m	r	r	R
11	21 ¹ 5	54 ¹ 930	52 ¹ 528	107 ¹ 548	11	32 ¹ 0	47 ¹ 567	45 ¹ 157	92 ¹ 800
11	27 ¹ 2	53 ¹ 566	54 ¹ 966	107 ¹ 626	11	40 ¹ 0	45 ¹ 146	47 ¹ 546	92 ¹ 772
11	57 ¹ 0	54 ¹ 943	52 ¹ 525	107 ¹ 585	11	44 ¹ 5	47 ¹ 513	45 ¹ 133	92 ¹ 728
12	2 ¹ 8	52 ¹ 526	54 ¹ 933	107 ¹ 582	11	51 ¹ 0	45 ¹ 179	47 ¹ 544	92 ¹ 807

in
Bar. 30°14. Ther. 55°0. Run + 5°9. Images 2-3. Steadiness 2-3. F.P. 9°50.

Canopus.

1883, May 1.

 a b

h	m	r	r	R	h	m	r	r	R
11	20 ¹ 0	54 ¹ 919	52 ¹ 603	107 ¹ 610	11	30 ¹ 2	47 ¹ 524	45 ¹ 174	92 ¹ 772
11	24 ¹ 8	52 ¹ 561	54 ¹ 948	107 ¹ 600	11	34 ¹ 2	45 ¹ 151	47 ¹ 563	92 ¹ 791
11	56 ¹ 4	54 ¹ 891	52 ¹ 562	107 ¹ 568	11	44 ¹ 5	47 ¹ 530	45 ¹ 147	92 ¹ 758
12	1 ¹ 9	52 ¹ 595	54 ¹ 939	107 ¹ 654	11	49 ¹ 5	45 ¹ 160	47 ¹ 521	92 ¹ 764

in
Bar. 30°07. Ther. 59°5. Run + 4°1. Images 2-3. Steadiness 2-3. F.P. 9°50.

Canopus.

1883, May 3.

 b a

h	m	r	r	R	h	m	r	r	R
10	9 ¹ 0	45 ¹ 219	47 ¹ 522	92 ¹ 791	10	19 ¹ 0	52 ¹ 573	54 ¹ 961	107 ¹ 595
10	13 ¹ 6	47 ¹ 561	45 ¹ 194	92 ¹ 806	10	25 ¹ 8	54 ¹ 974	52 ¹ 577	107 ¹ 615
10	49 ¹ 5	45 ¹ 169	47 ¹ 571	92 ¹ 800	10	35 ¹ 2	52 ¹ 587	54 ¹ 943	107 ¹ 597
10	55 ¹ 5	47 ¹ 519	45 ¹ 176	92 ¹ 758	10	42 ¹ 5	54 ¹ 941	52 ¹ 583	107 ¹ 594

in
Bar. 30°00. Ther. 60°0. Run + 4°9. Images 2. Steadiness 2. F.P. 9°50.

ERRATA AND ADDENDA.

HELIOMETER OBSERVATIONS FOR STELLAR PARALLAX.

Page.	No.	Column.	For	Read
3	1	4	298.091	298.177
4	1	1	18.8.9	18.18.9
5	2	3	35.695	35.696
6	1	Ther.	39.8	42.5
8	1	"	48.1	48.4
"	2	8	467.206	467.256
9	1	Date	August 20.	August 30.
"	2	2	35.698	35.696
11	1	Ther.	55.3	53.3
13	5	Run	4.9	3.9
14	3	5	19.55.6	19.45.6
17	4	5	0.52.5	0.53.5
18	2	3	137.707	139.707
20	2	2	81.596	81.597
"	3	Date	November 24.	November 25.
"	5	8	282.092	282.093
21	1	Images	2	2-3
23	4	8	282.059	282.057
"	"	Steadiness	2	2-3
24	2	2	117.797	117.707
"	"	5	8.54.2	8.54.3
"	5	3	139.774	139.772
25	2	7	139.787	139.789
"	3	8	487.324	487.322
26	3	5	4.22.2	4.42.2
27	1	Stars	α , β .	α^1 , β^1 .
"	"	3	232.170	232.190
"	5	Star	α Centauri.	α_2 Centauri.
"	"	Stars	β , α .	β^1 , α^1 .
"	"	6	234.639	234.689
29	3	5	13.12.3	13.21.3
30	1	Run	6.1	3.6
31	2	5	10.27.3	10.23.7

Page.	No.	Column.	For	Read
31	2	6	232.262	232.252
"	5	8	213.904	213.404
33	1	8	213.386	213.381
34	4	Steadiness	2	3
36	5	Ther.	64.0	63.5
37	1	"	61.5	62.3
39	5	7	144.273	144.276
43	1	Ther.	59.5	60.0
44	4	Images	1-2	2
45	5	Ther.	57.5	58.0
46	1	Steadiness	2-3	3
47	3	Ther.	48.0	49.3
48	5	"	46.5	45.3
49	3	6	150.078	150.079
50	1	Ther.	53.5	54.8
51	4	Steadiness	2-3	3
"	5	5	18.52.3	18.52.2
54	1	Steadiness	2	3
59	1	Run	2.5	2.8
"	5	Steadiness	2	3
61	1	Ther.	53.0	52.5
73	3	3	144.358	144.356
"	5	7	211.107	211.139
75	1	2	117.626	147.626
76	2	5	18.25.9	18.25.8
80	2	Images	2-3	3
"	"	Steadiness	2-3	3
85	5	8	171.929	171.926
91	4	2	194.140	194.190
"	"	Ther.	71.7	70.7
92	3	"	58.8	58.0
93	5	"	63.1	53.1
94	1	Images	3	3-4
98	1	7	193.706	193.766
"	3	Steadiness	3	3-4
99	2	Ther.	54.0	57.0
103	2	1	11.2.7	11.2.7
"	5	Images	3	3-4
104	1	"	3	3-4
105	1	5	18.2.4	18.12.4

Page.	No.	Column.	For	Read
106	3	Steadiness	3	3-4
108	2	6	243.000	243.300
"	4	Ther.	49.8	49.3
116	2	"	45.5	46.2
"	5	"	53.0	54.5
"	"	Images	2-3	1-2
"	"	Steadiness	2-3	1-2
117	3	Images	3	3-4
121	3	7	194.5c6	194.566
125	4	Images	2	3
127	4	Steadiness	3	3-4
128	1	"	3	3-4
"	4	Images	1-2	2
"	5	7	240.756	240.766
129	2	8	537.	538.
130	2	7	195.502	195.507
"	3	Steadiness	3	3-4
131	4	"	3	3-4
133	4	"	3	3-4
135	2	Bar.	29.81	29.89
"	4	Run	+ 0.4	- 0.4
"	"	Images	2	3
136	1	Ther.	46.0	64.0
139	4	"	59.0	60.0
140	4	Steadiness	3	3-4
144	3	Ther.	53.0	52.5
145	3	"	61.0	60.5
146	2	Steadiness	3	3-4
149	1	Ther.	46.0	45.5
150	2	8	511.599	511.559
"	3	F.P.	9.50	9.00
"	4	"	9.50	9.00
153	5	Images	2	3
160	1	Ther.	52.0	50.0
161	3	"	57.0	57.5
"	4	"	56.0	56.5
"	5	"	59.0	59.5

DATA TO BE INSERTED IN HELIOMETER OBSERVATIONS.

Page.	No.	Bar.	Ther.	Run.	Page.	No.	Bar.	Ther.	Run.
9	2	in.	°		27	3	in.	°	
10	5	30°34	55°0	+ 2°3	27	5	30°09	61°5	+ 3°9
12	5	30°42	55°0	+ 6°2	28	1	—	—	+ 2°7
14	5	—	—	+ 3°3	30	1	—	—	+ 3°9
15	1	30°07	53°2	+ 3°9	31	5	—	—	+ 3°6
21	3	30°10	50°0	+ 4°5			—	—	+ 4°7
		30°14	55°0	+ 2°6			—	—	

Page.	No.	Images.	Steadiness.	Page.	No.	Images.	Steadiness.
5	1	3	3	11	5	1	2
	3	3	3-4		1	3	3
	5	2	2		2	3	3
6	1	1-2	2-3	12	3	2	3-4
	2	1-2	1-2		4	1-2	2
	4	2	2-3		5	1	1-2
	5	1-2	1-2		13	2-3	3
7	1	1-2	1-2	13	2	3-4	4
	2	2	3		3	3	3
	3	2-3	3-4		4	2-3	2-3
	4	4	3-4		5	1-2	2-3
	5	2	1-2		14	2	2-3
8	1	2	3-4	14	2	3-4	3
	2	2	2		3	1-2	2-3
	3	3-4	3-4		4	1-2	1-2
	4	2-3	2-3		5	1-2	3-4
	5	1-2	1-2		15	1-2	1-2
9	1	2	2	15	2	1-2	2
	3	2-3	2		3	2	2-3
	4	1	2		4	1	1
	5	1	2		5	3	3
10	1	2	3	16	2	2-3	2-3
	2	1-2	2-3		3	1-2	1-2
	3	3-4	3		4	1-2	1-2
	4	3	3		17	2	3-4
	5	3	3		18	2	2-3
11	1	2	2	19	5	2	2
	2	4	4		1	2	2-3
	3	2	2		2	2-3	2-3
	4	2	3		3	2	2

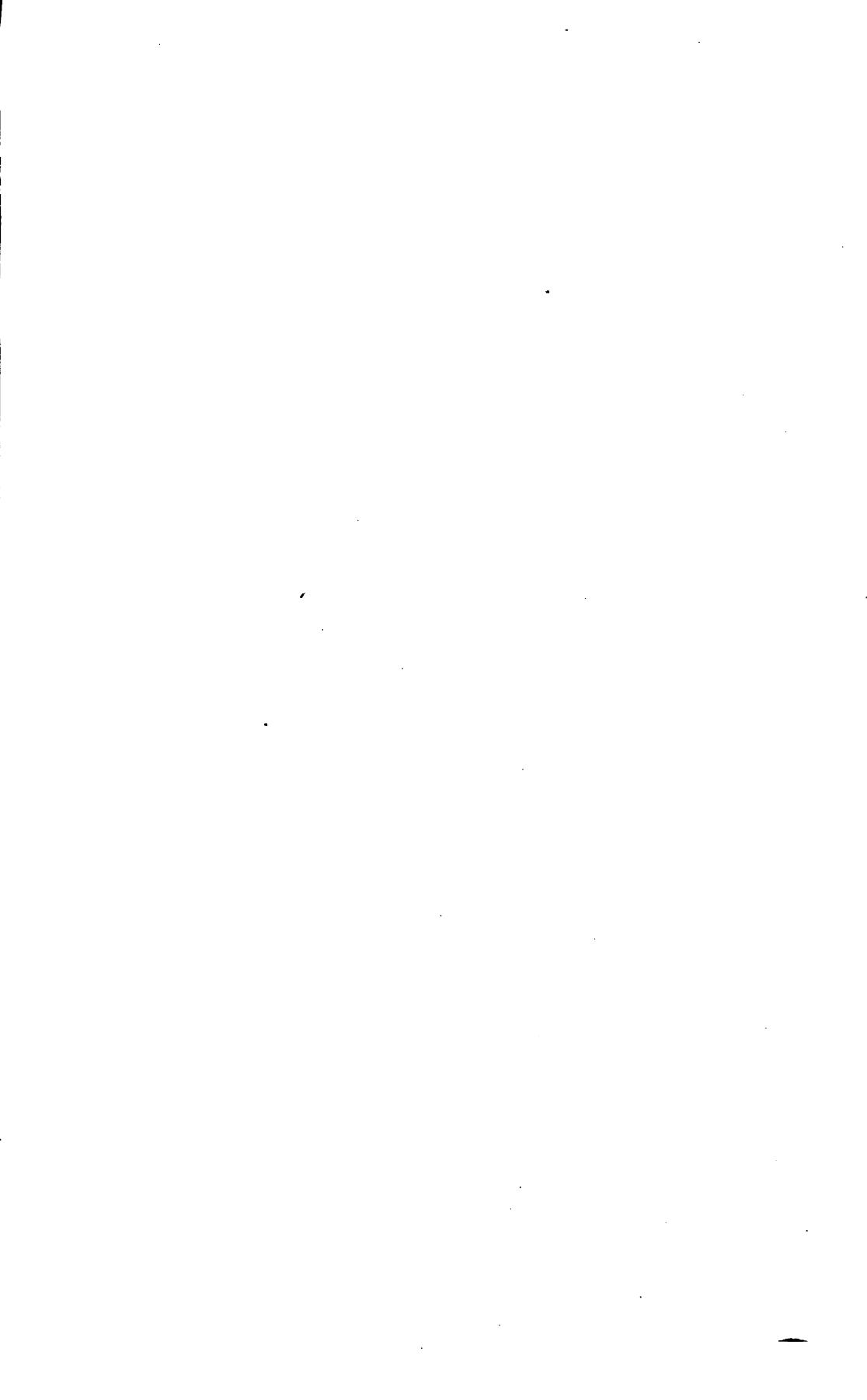
Page.	No.	Images.	Steadiness.	Page.	No.	Images.	Steadiness.
19	4	2-3	2-3	27	5	2	2-3
	5	3	3		28	3	3
20	1	2-3	2	29	4	2	2
	2	3	3		5	2-3	3
	3	2-3	2-3		1	3	3
	4	2	2-3		2	2	3
	5	2-3	2-3		4	3-4	3-4
21	1	2	3	30	5	2-3	3-4
	2	1-2	2-3		1	3	3
	3	3	3		2	2-3	3
	4	1-2	2-3		3	2-3	3
	5	1-2	2-3		4	1-2	2-3
22	1	2-3	2-3	31	5	2-3	3
	2	2-3	2-3		1	1-2	1-2
	3	1-2	2-3		2	1-2	1-2
	4	2	3		3	2	2
	5	3	3		4	2-3	3
23	1	2-3	3	32	5	2	2-3
	2	3	3		1	3	3-4
	3	1-2	1-2		2	2-3	2-3
	4	2-3	3		3	2	2
	5	2-3	2-3		4	3-4	3-4
24	1	1-2	2-3	71	5	3	3
	2	1-2	2-3		4	2	2-3
	3	1-2	3		72	1	2
	4	2	2-3		81	3	2
	5	2-3	2-3		83	2	2
25	1	2	3-4	84	5	3	3
	2	1-2	2		100	1	1-2
	3	2-3	3		104	5	2-3
	4	1	1-2		105	2	2
	5	2-3	2-3		84	2	3
26	1	1	1-2	108	2	3	3
	2	1-2	2		1	3	3
	3	2	2-3		2	2	2-3
	4	2	2		109	3	2-3
	5	1-2	1-2		4	2	2
27	1	1-2	2	110	1	2	2
	2	1-2	2		2	2	2
	3	1-2	1-2		143	4	2
	4	2	2-3		143	4	2-3

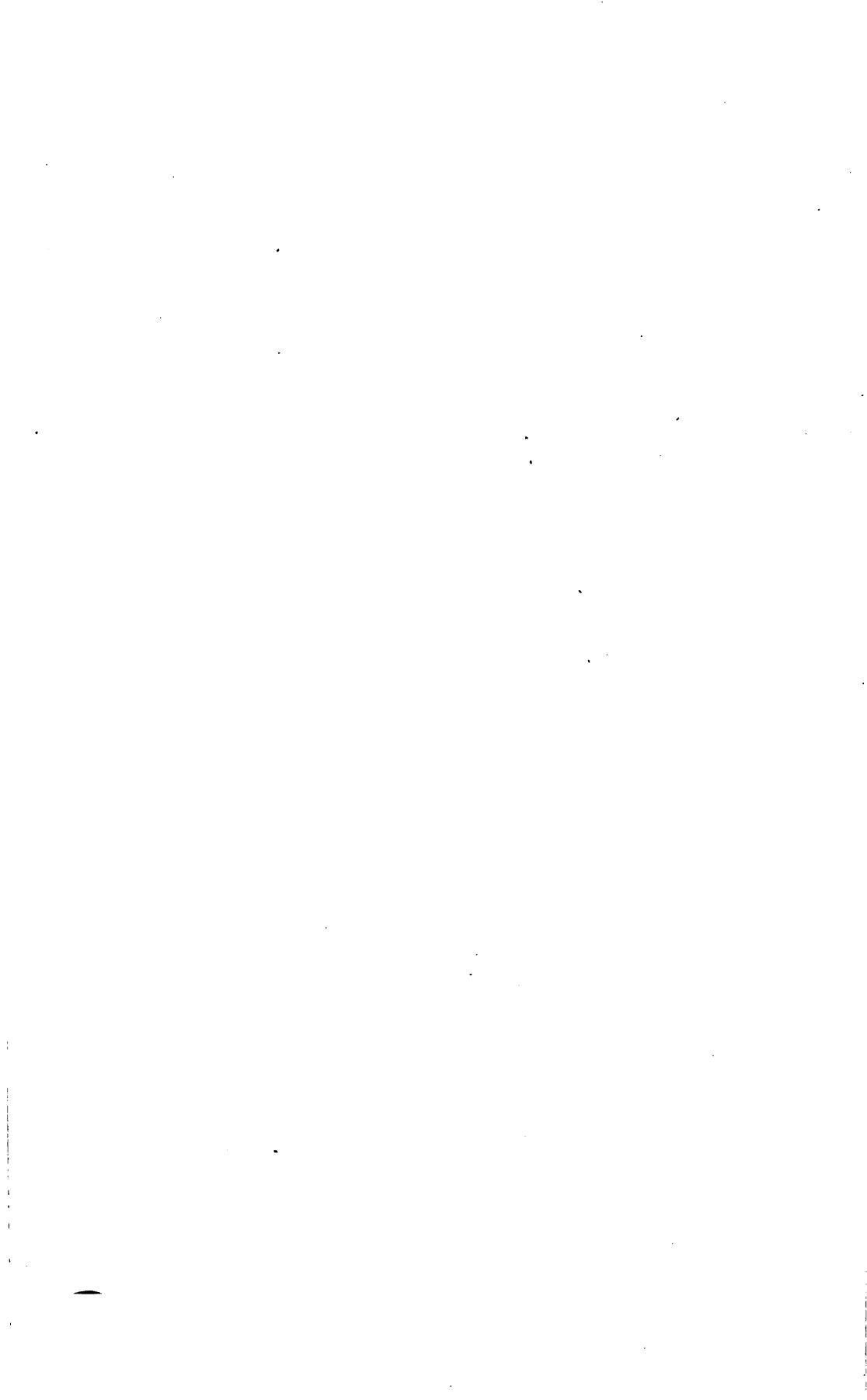
h m r r r

Page 73. No. 1. Columns 1 to 4. Insert 8·18·8, 251·531, 253·897, 505·574.

Page 156. No. 1. Insert F.P. 9·50.









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